

**BEFORE SUBMITTING YOUR BID**

- 1. Use pen and ink to complete the Bid.**
- 2. Have you signed and completed the Contract Agreement, Offer & Award Forms?**
- 3. As a minimum, the Bidder will submit a Bid Package consisting of the Notice to Contractors, the completed Acknowledgement of Bid Amendments & Submission of Bid Bond Validation Number form, the completed Schedule of Items, 2 copies of the completed Agreement, Offer, & Award form, a Bid Bond or Bid Guarantee, and any other Certifications or Bid Requirements listed in the Bid Book.**
- 4. Have you included prices for all Bid Items? (“Zero is not considered a bid price.”)**
- 5. Have you included a bid guarantee? Acceptable forms are:**
  - A. Bid Bond on the Department’s prescribed form for 5% of the Bid Amount. (Or forms that do not contain any significant variations from the Department’s forms as solely determined by the Department.)**
  - B. Official Bank Check, Cashier’s Check, Certified Check, U.S. Postal Money Order or Negotiable Certificate of Deposit in the amount stated in the Notice to Contractors.**
- 6. If the written Bid is to be sent, Federal Express overnight delivery is suggested as the package is delivered directly to the DOT Headquarters Building in Augusta. Other means, such as U.S. Postal Services’ Express Mail has proven not to be reliable.**

**AND FOR FEDERAL AID PROJECTS**

- 7. Have you included your DBE Utilization commitment in the proper amounts and signed the DBE Certification?**

**If you need further information regarding Bid preparation, call the DOT Contracts Section at (207)624-3430.**

**For complete specifications regarding bidding requirements, refer to Section 102 of the Maine Department of Transportation, Standard Specifications, Revision December 2002.**

# NOTICE

**The Maine Department of Transportation is attempting to improve the way Bid Amendments/Addendums are handled, and allow for an electronic downloading of bid packages from our website, while continuing to maintain a planholders list.**

**Prospective bidders, subcontractors or suppliers who wish to download a copy of the bid package and receive a courtesy notification of project specific bid amendments, must provide an email address to Diane Barnes at the MDOT Contracts mailbox at: [MDOT.contracts@maine.gov](mailto:MDOT.contracts@maine.gov). Each bid package will require a separate request. Please provide us an email address, so we can maintain the planholders list that both the industry and MDOT uses.**

**Additionally, the new Acknowledgement of Bid Amendment form will be placed in MDOT bid packages beginning with the 2/12/03 advertisements. After that date, interested parties will be responsible for reviewing and retrieving the Bid Amendments from our web site, and acknowledging receipt and incorporating those Bid Amendments in their bids.**

The downloading of bid packages from the MDOT website is not the same as providing an electronic bid to the Department. Electronic bids must be submitted via <http://www.BIDX.com>. For information on electronic bidding contact Rebecca Pooler at [rebecca.pooler@maine.gov](mailto:rebecca.pooler@maine.gov).

**STATE OF MAINE DEPARTMENT OF TRANSPORTATION**  
Bid Guaranty-Bid Bond Form

**KNOW ALL MEN BY THESE PRESENTS THAT**\_\_\_\_\_

\_\_\_\_\_, of the City/Town of \_\_\_\_\_ and State of \_\_\_\_\_

as Principal, and \_\_\_\_\_ as Surety, a

Corporation duly organized under the laws of the State of \_\_\_\_\_ and having a usual place of

Business in \_\_\_\_\_ and hereby held and firmly bound unto the Treasurer of

the State of Maine in the sum of \_\_\_\_\_ for payment which Principal and Surety bind

themselves, their heirs, executors, administrators, successors and assigns, jointly and severally.

The condition of this obligation is that the Principal has submitted to the Maine Department of

Transportation, hereafter Department, a certain bid, attached hereto and incorporated as a

part herein, to enter into a written contract for the construction of \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ and if the Department shall accept said bid

and the Principal shall execute and deliver a contract in the form attached hereto (properly

completed in accordance with said bid) and shall furnish bonds for this faithful performance of

said contract, and for the payment of all persons performing labor or furnishing material in

connection therewith, and shall in all other respects perform the agreement created by the

acceptance of said bid, then this obligation shall be null and void; otherwise it shall remain in full

force, and effect.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

WITNESS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

WITNESS

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PRINCIPAL:

By \_\_\_\_\_

By: \_\_\_\_\_

By: \_\_\_\_\_

SURETY:

By \_\_\_\_\_

By: \_\_\_\_\_

Name of Local Agency: \_\_\_\_\_

# NOTICE

For security and other reasons, all Bid Packages which are mailed, shall be provided in double (one envelope inside the other) envelopes. The *Inner Envelope* shall have the following information provided on it:

Bid Enclosed - Do Not Open

PIN:

Town:

Date of Bid Opening:

Name of Contractor with mailing address and telephone number:

In Addition to the usual address information, the *Outer Envelope* should have written or typed on it:

Double Envelope: Bid Enclosed

PIN:

Town:

Date of Bid Opening:

Name of Contractor:

*This should not be much of a change for those of you who use Federal Express or similar services.*

Hand-carried Bids may be in one envelope as before, and should be marked with the following information:

Bid Enclosed: Do Not Open

PIN:

Town:

Name of Contractor:

# INSTRUCTIONS FOR PREPARING THE CONTRACTOR'S DISADVANTAGED BUSINESS ENTERPRISE UTILIZATION PLAN

## The Contractor Shall:

1. Submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan to the Contract's Engineer by 4:30 P.M. on the Bid day.
2. Extend equal opportunity to MDOT certified DBE firms (as listed in MDOT's DBE Directory of Certified Businesses) in the selection and utilization of Subcontractors and Suppliers.

## SPECIFIC INSTRUCTIONS FOR COMPLETING THE FORM:

Insert Contractor name, the name of the person(s) preparing the form, and that person(s) telephone and fax number.

Provide total Bid price, Federal Project Identification Number, and location of the Project work.

In the columns, name each DBE firm to be used, provide the Unit or Item cost of the Work/Product to be provided by the DBE firm, give a brief description of the Work, and the dollar value of the Work.

If no DBE firm is to be utilized, the Contractor must document the reason(s) why no DBE firms are being used. Specific supporting evidence of good faith efforts taken by Contractors to solicit DBE Bidders must be attached. This evidence, as a minimum, includes phone logs, e-mail and/or mail DBE solicitation records, and the documented results of these solicitations.

# NOTICE

The Department has revised the Disadvantaged Business Enterprise Proposed Utilization form and the procedure that has been used for the past several months for Contractors to submit the form.

The Apparent Low Bidder now must submit the form by close of Business (4:30 P.M.) on Bid day.

The new Contractor's Disadvantaged Business Enterprise Proposed Utilization Plan form contains additional information that is required by USDOT.

The Disadvantaged Business Enterprise Proposed Utilization Plan form will no longer be used. The new Contractor's Disadvantaged Business Enterprise Proposed Utilization Plan form must be used.

A copy of the new Contractor's Disadvantaged Business Enterprise Proposed Utilization Plan and instructions for completing it are attached.

Note: Questions about DBE firms, or to obtain a printed copy of the DBE Directory, contact Equal Opportunity at (207) 624-3066.

MDOT's DBE Directory of Certified firms can also be obtained at [http://www.state.me.us/mdot/humnres/o\\_equalo/cdwbed\\_h.htm](http://www.state.me.us/mdot/humnres/o_equalo/cdwbed_h.htm)

# NOTICE

Bidders:

Please use the attached “Request for Information” form when faxing questions and comments concerning specific Contracts that have been Advertised for Bid. Include additional numbered pages as required.

# REQUEST FOR INFORMATION

Response By:\_\_\_\_\_ Date:\_\_\_\_\_



# CONTRACTOR'S DISADVANTAGED BUSINESS ENTERPRISE PROPOSED UTILIZATION PLAN

Low Bidder shall furnish completed form to Contracts Section by 4:30 P.M. on Bid Opening day.

TO: MDOT Contracts Section  
16 State House Station,  
Augusta, Me 04333-0016  
or  
Fax: 207-624-3431

Contractor: \_\_\_\_\_

Prepared by: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

BID PRICE: \$ \_\_\_\_\_ FEDERAL PROJECT # \_\_\_\_\_ LOCATION: \_\_\_\_\_

TOTAL DBE PARTICIPATION AS A PERCENT OF TOTAL BID PRICE = \_\_\_\_\_ %

DBE Firm*	Unit/Item Cost	Unit #	Description of work & Item Number	Actual \$ Value
Total >				

If no DBE firm(s) are used, bidder must document efforts made to secure DBE participation and attach supporting evidence of this effort:

\_\_\_\_\_  
\_\_\_\_\_.

Examples: Bidder relies wholly upon low quote subcontractor section, DBE firm(s) were not low quote.  
No DBE firms bid.

\*Only DBE firms certified by MDOT prior to bidding can be utilized by Contractor for DBE credit.  
Directory of certified DBEs is available on MDOT's website: [www.state.me.us/mdot](http://www.state.me.us/mdot)

Equal Opportunity Use:

Plan received \_\_\_\_/\_\_\_\_/\_\_\_\_ Verified by: \_\_\_\_\_ Action: \_\_\_\_\_



## Office of Human Resources

### Equal Opportunity

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## MAINE DEPARTMENT OF TRANSPORTATION

Certified Disadvantaged and Women Business Enterprise

DBE DIRECTORY - MINORITY OWNED

WBE DIRECTORY - WOMEN OWNED

WEBSITE FOR DIRECTORY CAN BE FOUND AT:

[http://www.state.me.us/mdot/humnres/o\\_equalo/cdwbed\\_h.htm](http://www.state.me.us/mdot/humnres/o_equalo/cdwbed_h.htm)

*It is the responsibility of the Contractor to access the DBE Directory at this site in order to have the most current listings.*

## STATE OF MAINE DEPARTMENT OF TRANSPORTATION NOTICE TO CONTRACTORS

Sealed Bids addressed to the Maine Department of Transportation, Augusta, Maine 04333 and endorsed on the wrapper "Bids for Highway Improvements in the town of Farmington" will be received from contractors at the Reception Desk, Maine DOT Building, Child Street, Augusta, Maine, until 11:00 o'clock A.M. (prevailing time) on December 3, 2003, and at that time and place publicly opened and read. Bids will be accepted from contractors prequalified by the Department of Transportation for Highway Construction projects. All other Bids may be rejected. MDOT provides the option of electronic bidding. We now accept electronic bids for those bid packages posted on the bidx.com website. Electronic bids do not have to be accompanied by paper bids. Please note: the Department will accept a facsimile of the bid bond; however, the original bid bond must then be received at the MDOT Contract Section within 72 hours of the bid opening. During this transition, dual bids (one paper, one electronic) will be accepted, with the paper copy taking precedence.

Description: Maine Federal Aid Project No. STP-9179(00)X, PIN. 9179.00

Location: In Franklin County, project is located on Rte's 4/ 27 from approx. Belcher St. extending northerly 3.3 km

Outline of Work: Grading, drainage, base, hot mix asphalt, recycled pavement, guardrail, curb, planting trees and shrubs, and other incidental work.

The basis of award will be Section 0001.

For general information regarding Bidding and Contracting procedures, contact Bruce Carter at (207)624-3430. Our webpage at <http://www.state.me.us/mdot/project/design/homepg.htm> contains a copy of the schedule of items, Plan Holders List, written portions of bid amendments (not drawings), and bid results. For Project-specific information fax all questions to **Project Manager Heath Cowan** at (207)624-3481. Questions received after 12:00 noon of Monday prior to bid date will not be answered. Bidders shall not contact any other Departmental staff for clarification of Contract provisions, and the Department will not be responsible for any interpretations so obtained. Hearing impaired persons may call the Telecommunication Device for the Deaf at (207)287-3392.

Plans, specifications and bid forms may be seen at the Maine DOT Building in Augusta, Maine and at the Department of Transportation's Division Office VII in Dixfield. They may be purchased from the Department between the hours of 8:00 a.m. to 4:30 p.m. by cash, credit card (Visa/Mastercard) or check payable to Treasurer, State of Maine sent to Maine Department of Transportation, Attn.: Mailroom, 16 State House Station, Augusta, Maine 04333-0016. They also may be purchased by telephone at (207)624-3536 between the hours of 8:00 a.m. to 4:30 p.m. Full size plans \$188.00 (\$198.00 by mail). Half size plans \$94.00 (\$99.00 by mail), Bid Book \$10 (\$13 by mail), Single Sheets \$2, payment in advance, all non-refundable.

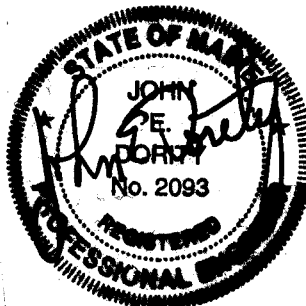
Each Bid must be made upon blank forms provided by the Department and must be accompanied by a bid bond at 5% of the bid amount or an official bank check, cashier's check, certified check, certificate of deposit, or United States postal money order in the amount of \$100,000.00 payable to Treasurer, State of Maine as a Bid guarantee. A Contract Performance Surety Bond and a Contract Payment Surety Bond, each in the amount of 100 percent of the Contract price, will be required of the successful Bidder.

This Contract is subject to all applicable Federal Laws. This contract is subject to compliance with the Disadvantaged Business Enterprise program requirements as set forth by the Maine Department of Transportation.

All work shall be governed by "State of Maine, Department of Transportation, Standard Specifications, Revision of December 2002", price \$10 [\$13 by mail], and Standard Details, Revision of December 2002, price \$20 [\$25 by mail] Standard Detail updates can be found at <http://www.state.me.us/mdot/project/design/homepg.htm>

The right is hereby reserved to the MDOT to reject any or all Bids.

Augusta, Maine  
November 12, 2003



JOHN E. DORITY  
CHIEF ENGINEER

**SPECIAL PROVISION 102.7.3**  
**ACKNOWLEDGMENT OF BID AMENDMENTS**  
**&**  
**SUBMISSION OF BID BOND VALIDATION NUMBER (IF APPLICABLE)**

With this form, the Bidder acknowledges its responsibility to check for all Amendments to the Bid Package. For each Project under Advertisement, Amendments are located at <http://www.state.me.us/mdot/project/design/schedule.htm>. It is the responsibility of the Bidder to determine if there are Amendments to the Project, to download them, and to incorporate them into their Bid Package. The Maine DOT will not post Bid Amendments any later than noon the day before Bid opening.

Amendment Number	Date

The Contractor, for itself, its successors and assigns, hereby acknowledges that it has received all of the above referenced Amendments to the Bid Package. Failure to acknowledge receipt of all Amendments to the Bid Package will be considered a Non-curable Bid Defect in accordance with Section 102.11.1 of the Standard Specifications, Revision of December 2002.

CONTRACTOR

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of authorized representative

\_\_\_\_\_  
(Name and Title Printed)

**Bid Bond Validation Number** \_\_\_\_\_  
**(Applicable to annual bid bonds or electronic bid bonds.)**

MAINE DEPARTMENT OF TRANSPORTATION

BID

DATE OF OPENING :

CALL ORDER :

CONTRACT ID : 009179.00

PROJECTS

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STP-9179(00)X

COUNTY : FRANKLIN

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 009179.00

PROJECT(S): STP-9179(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS   CTS	BID AMOUNT DOLLARS   CTS
SECTION 0001 HIGHWAY ITEMS				
0010	201.11 CLEARING	1.400		
	HA			
0020	201.23 REMOVING SINGLE TREE TOP ONLY	29.000		
	EA			
0030	201.24 REMOVING STUMP	33.000		
	EA			
0040	202.203 PAVEMENT BUTT JOINTS	1130.000		
	M2			
0050	203.20 COMMON EXCAVATION	39400.000		
	M3			
0060	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	140.000		
	M3			
0070	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	31600.000		
	M3			
0080	310.231 PLANT MIXED RECYCLED ASPHALT PAVEMENT - 80 MM	41300.000		
	M2			
0090	403.207 HOT MIX ASPHALT 19.0 MM NOMINAL MAX SIZE	6380.000		
	MG			
0100	403.208 HOT MIX ASPHALT 12.5 MM, SURFACE	3910.000		
	MG			

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 009179.00

PROJECT(S): STP-9179(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	403.209 HOT MIX ASPHALT 9.5 MM(SIDEWALKS,DRIVES, INCIDENTAL )	980.000 MG				
0120	409.15 BITUMINOUS TACK COAT APPLIED	3500.000 L				
0130	534.71 PRECAST CONCRETE BOX CULVERT 1200 MM X 1200 MM	LUMP	LUMP			
0140	534.71 PRECAST CONCRETE BOX CULVERT 900 MM X 900 MM	LUMP	LUMP			
0150	602.30 FLOWABLE CONCRETE FILL	24.000 M3				
0160	603.15 300 MILLI METER CULVERT PIPE OPTION I	90.000 M				
0170	603.159 300 MM CULVERT PIPE OPTION III	151.000 M				
0180	603.16 375 MM CULVERT PIPE OPTION I	16.000 M				
0190	603.169 375 MM CULVERT PIPE OPTION III	11.000 M				
0200	603.17 450 MM CULVERT PIPE OPTION I	24.000 M				
0210	603.179 450 MM CULVERT PIPE OPTION III	19.000 M				

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 009179.00

PROJECT(S): STP-9179(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	603.19 600 MM CULVERT PIPE OPTION I	17.000 M				
0230	603.199 600 MM CULVERT PIPE OPTION III	64.000 M				
0240	603.215 900 MM REINFORCED CONCRETE PIPE CLASS III	61.000 M				
0250	604.092 CATCH BASIN TYPE B1-C	38.000 EA				
0260	604.097 1800 MM CATCH BASIN TYPE B1-C	2.200 EA				
0270	604.15 MANHOLE	15.000 EA				
0280	604.153 1500 MM MANHOLE	1.200 EA				
0290	604.16 ALTERING CATCH BASIN TO MANHOLES	1.000 EA				
0300	604.242 CATCH BASIN TYPE F3	12.000 EA				
0310	604.244 CATCH BASIN TYPE F4	2.000 EA				
0320	605.09 150 MM UNDERDRAIN TYPE B	2106.000 M				



## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 009179.00

PROJECT(S): STP-9179(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	605.10 150 MM UNDERDRAIN OUTLET	4.000 M				
0340	605.11 300 MM UNDERDRAIN TYPE C	2309.000 M				
0350	605.12 375 MM UNDERDRAIN TYPE C	29.000 M				
0360	605.13 450 MM UNDERDRAIN TYPE C	34.000 M				
0370	606.17 GUARDRAIL TYPE 3B - SINGLE RAIL	508.000 M				
0380	606.22 GUARDRAIL TYPE 3B - OVER 4.5 M RADIUS	5.000 M				
0390	606.35 GUARDRAIL DELINEATOR POST	10.000 EA				
0400	606.363 GUARDRAIL REMOVE AND DISPOSE	535.000 M				
0410	606.47 SINGLE WOOD POST	36.000 EA				
0420	606.51 MULTIPLE MAILBOX SUPPORT	5.000 EA				
0430	606.79 GUARDRAIL 350 FLARED TERMINAL	6.000 EA				

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 009179.00

PROJECT(S): STP-9179(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0440	607.17 CHAIN LINK FENCE - 1.8 METER	117.000 M				
0450	609.31 CURB TYPE 3	4180.000 M				
0460	610.08 PLAIN RIPRAP	61.000 M3				
0470	612.06 BITUMINOUS SEALING - BLACK	1340.000 M2				
0480	613.319 EROSION CONTROL BLANKET	480.000 M2				
0490	615.07 LOAM	2300.000 M3				
0500	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	120.000 UN				
0510	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	70.000 UN				
0520	618.1411 SEEDING METHOD NUMBER 3 - PLAN QUANTITY	151.000 UN				
0530	618.15 TEMPORARY SEEDING	85.000 KG				
0540	618.25 APPLIED WATER	10.000 M3				

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 009179.00

PROJECT(S): STP-9179(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0550	619.1201 MULCH - PLAN QUANTITY	335.000 UN				
0560	619.1301 BARK MULCH - PLAN QUANTITY	41.000 UN				
0570	620.58 EROSION CONTROL GEOTEXTILE	141.000 M2				
0580	621.037 EVERGREEN TREES (1500 MM - 1800 MM) GROUP A	34.000 EA				
0590	621.12 SMALL DECIDUOUS TREES (1500 MM - 1800 MM) GROUP A	20.000 EA				
0600	621.195 MEDIUM DECIDUOUS TREE (45 MM - 50 MM CALIPER) GROUP A	15.000 EA				
0610	621.201 MEDIUM DECIDUOUS TREE (50 MM - 65 MM CALIPER) GROUP A	10.000 EA				
0620	621.249 LARGE DECIDUOUS TREES (1800 MM - 2400 MM) GROUP A	50.000 EA				
0630	621.267 LARGE DECIDUOUS TREE (45 MM - 50 MM CALIPER) GROUP A	45.000 EA				
0640	621.273 LARGE DECIDUOUS TREE (50 MM - 65 MM CALIPER) GROUP A	10.000 EA				
0650	621.395 DWARF EVERGREENS (450 MM - 600 MM) GROUP A	21.000 EA				

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 009179.00

PROJECT(S): STP-9179(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0660	621.54 DECIDUOUS SHRUBS (450 MM - 600 MM) GROUP A	42.000 EA				
0670	621.552 DECIDUOUS SHRUBS (900 MM - 1200 MM) GROUP A	280.000 EA				
0680	621.80 ESTABLISHMENT PERIOD	LUMP	LUMP			
0690	627.18 300 MM SOLID WHITE PAVEMENT MARK LINE	77.000 M				
0700	627.711 WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE (PLAN QUANTITY )	12720.000 M				
0710	627.75 WHITE OR YELLOW PAVEMENT AND CURB MARKING	88.000 M2				
0720	627.76 TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LUMP	LUMP			
0730	629.05 HAND LABOR, STRAIGHT TIME	16.000 HR				
0740	631.121 HEAVY DUTY ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	7.000 HR				
0750	631.34 STONE SAW RENTAL (INCLUDING OPERATOR)	3.000 HR				
0760	631.37 CLEAN EXISTING CATCH BASINS AND MANHOLES	3.000 EA				

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 009179.00

PROJECT(S): STP-9179(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0770	635.31 PREFABRICATED CONCRETE BLOCK GRAVITY WALL	701.000 M2				
0780	637.071 DUST CONTROL	LUMP	LUMP			
0790	639.18 FIELD OFFICE TYPE A	1.000 EA				
0800	652.31 TYPE I BARRICADE	10.000 EA				
0810	652.311 TYPE II BARRICADE	10.000 EA				
0820	652.33 DRUM	75.000 EA				
0830	652.34 CONE	100.000 EA				
0840	652.35 CONSTRUCTION SIGNS	80.000 M2				
0850	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP	LUMP			
0860	652.38 FLAGGER	5000.000 HR				
0870	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			

## SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 009179.00

PROJECT(S): STP-9179(00)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0880	658.20 ACRYLIC LATEX COLOR FINISH, GREEN	22.000 M2				
0890	659.10 MOBILIZATION	LUMP	LUMP			
0900	660.21 ON-THE-JOB TRAINING (BID)	3000.000 HR				
	SECTION 0001 TOTAL					
	TOTAL BID					

## **CONTRACT AGREEMENT, OFFER & AWARD**

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at 1705 U.S. Route 202, Winthrop, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and (Name of the firm bidding the job) a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at (address of the firm bidding the job)

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

### **A. The Work.**

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. 1224.00

for the Hot Mix Asphalt Overlay in the town/city of West Eastport, County of Washington, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

### **B. Time.**

The Contractor agrees to complete all Work, except warranty work, on or before November 15, 2003. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002.

**C. Price.**

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is       (Place bid here in alphabetical form such as One Hundred and Two dollars and 10 cents)        
\$ (repeat bid here in numerical terms, such as \$102.10) Performance Bond and Payment Bond each being 100% of the amount of this Contract.

**D. Contract.**

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

**E. Certifications.**

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

**F. Offer.**



The undersigned, having carefully examined the site of work, the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of:

**PIN 1234.00 West Eastport, Hot Mix Asphalt Overlay**

State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work on the date specified in the Engineer's "Notice to Commence Work" as stated in Section 107.2 of the Standard Specifications Revision of 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan by 4:30pm on the day of bid opening to the Contracts Engineer.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness Sign Here)  
Witness

CONTRACTOR  
(Sign Here)  
\_\_\_\_\_  
(Signature of Legally Authorized Representative  
of the Contractor)

\_\_\_\_\_  
(Print Name Here)  
(Name and Title Printed)

**G. Award.**

Your offer is hereby accepted.  
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

\_\_\_\_\_  
Date

\_\_\_\_\_  
By: David A. Cole, Commissioner

\_\_\_\_\_  
(Witness)

## **CONTRACT AGREEMENT, OFFER & AWARD**

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at 1705 U.S. Route 202, Winthrop, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and \_\_\_\_\_  
a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at \_\_\_\_\_

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

### **A. The Work.**

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. **9179.00** for **Highway Improvements** in the town of **Farmington**, County of **Franklin**, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

### **B. Time.**

The Contractor agrees to complete all Work, except warranty work, on or before **June 17, 2005**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002.

### **C. Price.**

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is \_\_\_\_\_

\$\_\_\_\_\_ Performance Bond and Payment Bond each being 100% of the amount of this Contract.

**D. Contract.**

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

**E. Certifications.**

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

**F. Offer.**

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of:

**PIN. 9179.00 - Highway Improvements - in the town of Farmington,**

State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work on the date specified in the Engineer's "Notice to Commence Work" as stated in Section 107.2 of the Standard Specifications Revision of December 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan by 4:30pm on the day of bid opening to the Contracts Engineer.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Signature of Legally Authorized Representative  
of the Contractor)

\_\_\_\_\_  
Witness

\_\_\_\_\_  
(Name and Title Printed)

**G. Award.**

Your offer is hereby accepted.  
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

\_\_\_\_\_  
Date

\_\_\_\_\_  
By: David A. Cole, Commissioner

\_\_\_\_\_  
Witness

## **CONTRACT AGREEMENT, OFFER & AWARD**

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at 1705 U.S. Route 202, Winthrop, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and \_\_\_\_\_  
a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at \_\_\_\_\_

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

### **A. The Work.**

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. **9179.00** for **Highway Improvements** in the town of **Farmington**, County of **Franklin**, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

### **B. Time.**

The Contractor agrees to complete all Work, except warranty work, on or before **June 17, 2005**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002.

### **C. Price.**

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is \_\_\_\_\_

\$\_\_\_\_\_ Performance Bond and Payment Bond each being 100% of the amount of this Contract.

**D. Contract.**

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

**E. Certifications.**

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

**F. Offer.**



The undersigned, having carefully examined the site of work, the Plans, Standard Specifications Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of:

**PIN. 9179.00 - Highway Improvements - in the town of Farmington,**

State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work on the date specified in the Engineer's "Notice to Commence Work" as stated in Section 107.2 of the Standard Specifications Revision of December 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan by 4:30pm on the day of bid opening to the Contracts Engineer.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Signature of Legally Authorized Representative  
of the Contractor)

\_\_\_\_\_  
Witness

\_\_\_\_\_  
(Name and Title Printed)

**G. Award.**

Your offer is hereby accepted.  
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

\_\_\_\_\_  
Date

\_\_\_\_\_  
By: David A. Cole, Commissioner

\_\_\_\_\_  
Witness

BOND # \_\_\_\_\_

CONTRACT PERFORMANCE BOND  
(Surety Company Form)

KNOW ALL MEN BY THESE PRESENTS: That \_\_\_\_\_  
\_\_\_\_\_ **and the State of** \_\_\_\_\_, as principal,  
and \_\_\_\_\_,  
a corporation duly organized under the laws of the State of \_\_\_\_\_ and having a  
usual place of business \_\_\_\_\_,  
as Surety, are held and firmly bound unto the Treasurer of the State of Maine in the sum  
of \_\_\_\_\_ **and 00/100 Dollars (\$** \_\_\_\_\_ **)**,  
to be paid said Treasurer of the State of Maine or his successors in office, for which  
payment well and truly to be made, Principal and Surety bind themselves, their heirs,  
executors and administrators, successors and assigns, jointly and severally by these  
presents.

The condition of this obligation is such that if the Principal designated as Contractor in  
the Contract to construct Project Number \_\_\_\_\_ in the Municipality of  
\_\_\_\_\_ promptly and faithfully performs the Contract, then this  
obligation shall be null and void; otherwise it shall remain in full force and effect.

The Surety hereby waives notice of any alteration or extension of time made by the State  
of Maine.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20....

WITNESSES:

Signature.....  
Print Name Legibly .....

Signature .....

Print Name Legibly .....

SURETY ADDRESS:

.....  
.....  
.....

TELEPHONE.....

SIGNATURES:

CONTRACTOR:

.....  
Print Name Legibly .....

SURETY:

.....  
Print Name Legibly .....

NAME OF LOCAL AGENCY:

ADDRESS .....

.....  
.....

.....

BOND # \_\_\_\_\_

CONTRACT PAYMENT BOND  
(Surety Company Form)

KNOW ALL MEN BY THESE PRESENTS: That \_\_\_\_\_  
\_\_\_\_\_ **and the State of** \_\_\_\_\_, as principal,  
and \_\_\_\_\_  
a corporation duly organized under the laws of the State of \_\_\_\_\_ and having a  
usual place of business in \_\_\_\_\_,  
as Surety, are held and firmly bound unto the Treasurer of the State of Maine for the use  
and benefit of claimants as herein below defined, in the sum of  
\_\_\_\_\_ **and 00/100 Dollars (\$** \_\_\_\_\_ **)**  
for the payment whereof Principal and Surety bind themselves, their heirs, executors and  
administrators, successors and assigns, jointly and severally by these presents.

The condition of this obligation is such that if the Principal designated as Contractor in  
the Contract to construct Project Number \_\_\_\_\_ in the Municipality of  
\_\_\_\_\_ promptly satisfies all claims and demands incurred for all  
labor and material, used or required by him in connection with the work contemplated by  
said Contract, and fully reimburses the obligee for all outlay and expense which the  
obligee may incur in making good any default of said Principal, then this obligation shall  
be null and void; otherwise it shall remain in full force and effect.

A claimant is defined as one having a direct contract with the Principal or with a  
Subcontractor of the Principal for labor, material or both, used or reasonably required for  
use in the performance of the contract.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20 .. .

WITNESS:

SIGNATURES:

CONTRACTOR:

Signature.....

Print Name Legibly .....

SURETY:

Signature.....

Print Name Legibly .....

SURETY ADDRESS:

NAME OF LOCAL AGENCY:

ADDRESS .....

TELEPHONE .....

GENERAL DECISION ME030009 06/13/03 ME9  
General Decision Number ME030009

Superseded General Decision No. ME020009

State: Maine

Construction Type:  
HIGHWAY

County(ies):

AROOSTOOK	KNOX	SAGADAHOC
FRANKLIN	LINCOLN	SOMERSET
HANCOCK	OXFORD	WALDO
KENNEBEC	PISCATAQUIS	YORK

HIGHWAY CONSTRUCTION PROJECTS excluding major bridging (for example: bascule, suspension and spandrel arch bridges; those bridging waters presently navigating or to be navigatable; and those involving marine construction in any degree); tunnels, building structures in rest area projects and railroad construction.

Modification Number	Publication Date
0	06/13/2003

COUNTY(ies):

AROOSTOOK	KNOX	SAGADAHOC
FRANKLIN	LINCOLN	SOMERSET
HANCOCK	OXFORD	WALDO
KENNEBEC	PISCATAQUIS	YORK

ENGI0004V 04/01/2003

	Rates	Fringes
POWER EQUIPMENT OPERATORS:		
Pavers	16.51	6.00
Rollers	16.51	6.00

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SUME4024A 10/24/2000

	Rates	Fringes
CARPENTERS	11.60	1.51
IRONWORKERS		
Structural	12.03	1.58
LABORERS		
Drillers	10.00	2.50
Flaggers	6.00	
Guardrail Installers	7.92	
Landscape	7.87	.16
Line Stripper	8.69	.23
Pipelayers	9.21	2.31
Rakers	9.00	1.51
Sign Erectors	10.00	
Unskilled	8.66	1.38
Wheelman	8.50	.43
POWER EQUIPMENT OPERATORS		
Backhoes	11.87	2.05

Bulldozers	12.33	2.88
Cranes	14.06	1.75
Excavators	12.38	2.48
Graders	13.06	3.73
Loaders	11.41	2.87
Mechanics	13.18	2.57

#### TRUCK DRIVERS

Dump	9.35	3.10
Tri axle	8.70	1.18
Two axle	8.56	2.19

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(ii)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request

review and reconsideration from the Wage and Hour Administrator  
(See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

The request should be accompanied by a full statement of the  
interested party's position and by any information (wage payment  
data, project description, area practice material, etc.) that the  
requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an  
interested party may appeal directly to the Administrative Review  
Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.  
END OF GENERAL DECISION

SPECIAL PROVISION  
CONSTRUCTION AREA

A Construction Area located in the **Town of Farmington** has been established by the Maine Department of Transportation in accordance with provisions of Title 29, Section 1703, Maine Revised Statutes Annotated.

- (a) The section of highway under construction beginning at Sta. 1+000.000 and ending at Sta. 4+300.000 of the construction centerline plus approaches.
- (b) (Rte.4/27) The section of highway under construction beginning at Sta. 1+000.000 and ending at Sta. 4+300.000 of the new construction centerline plus approaches.

The State Department of Transportation or the State's Engineer may issue permits for stated periods of time for moving construction equipment without loads, low-bed trailers with overloads, over-height, over-width or over-length equipment or materials over all State maintained sections described in the "Construction Area" above and in addition may issue permits for stated periods of time for moving overweight vehicles and loads over the section described in (a) above. The right to revoke such a permit at any time is reserved by the State Department of Transportation and the issuance of such permits shall be subject to any Special Provisions or Supplemental Specifications written for this project.

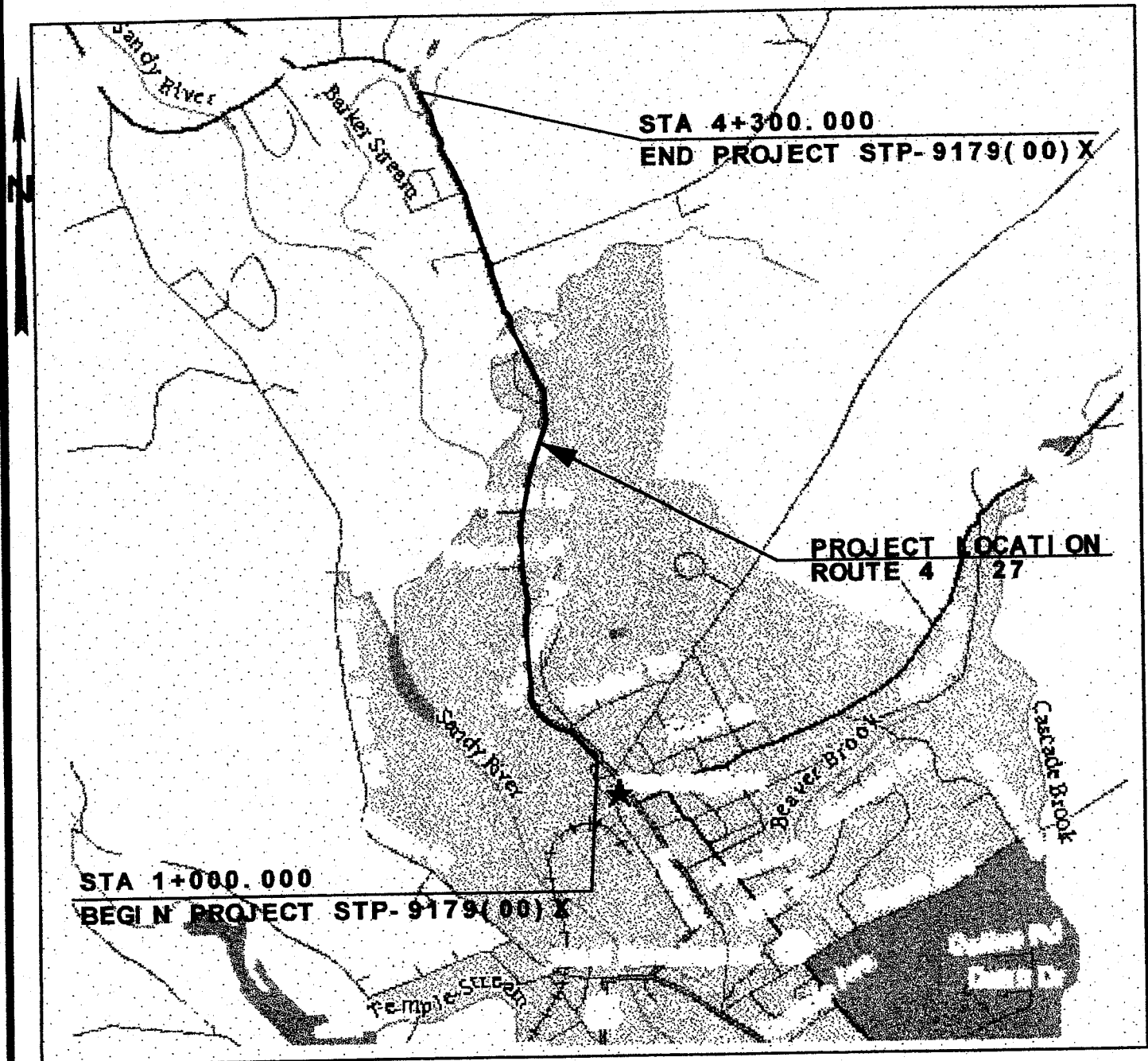
A Temporary Permit for each move may be issued by the State Department of Transportation or the State's Engineer for moving Contractor's construction equipment used on the project which exceeds the legal limits (shovels, bulldozers, etc.) to sources of construction material over highways maintained by the State reasonably within the area of the project.

The Municipal Officers for the **Town of Farmington** agreed that a permit will be issued to the Contractor for the purpose of hauling loads in excess of the limits as specified in Title 29, Maine Revised Statutes Annotated, on the town ways as described in the "Construction Area" and that single move permits will be issued for moving Contractor's construction equipment used on the project which exceeds the legal limits (shovels, bulldozers, etc.) to sources of construction material over town ways reasonably within the area of the project.

In the event it is necessary to transport gravel, borrow, or other construction material in legally registered vehicles carrying legal loads over town ways, a Contractor's Bond of not more than Nine Thousand (\$9,000.00) per kilometer of traveled length may be required by the town, the exact amount of said bond to be determined prior to use of any town way.

The maximum speed limits for trucks on any town way will be forty (40) km per hour [25 mph], unless a higher legal limit is specifically agreed upon in writing by the Municipal Officers concerned.





SPECIAL PROVISION  
CONSTRUCTION AREA

Title 29A, M.R.S.A., Subsection 2383. Overlimit movement permits

1. Overlimit movement permits issued by State. The Secretary of State, acting under guidelines and advice of the Commissioner of Transportation, may grant permits to move non-divisible objects having a length, width, height or weight greater than specified in this Title over a way or bridge maintained by the Department of Transportation.
2. Permit Fee. The Secretary of State, with the advice of the Commissioner of Transportation, may set the fee for these permits, at not less than \$3, nor more than \$15, based on weight, height, length and width.
3. County and municipal permits. A permit may be granted, for a reasonable fee, by county commissioners or municipal officers for travel over a way or bridge maintained by that county or municipality.
4. Permits for weight. A vehicle granted a permit for excess weight must first be registered for the maximum gross vehicle weight allowed for that vehicle.
5. Special mobile equipment. The Secretary of State may grant a permit, for no more than one year, to move pneumatic-tire equipment under its own power, including Class A and Class B special mobile equipment, over ways and bridges maintained by the Department of Transportation. The fee for that permit is \$15 for each 30-day period.
6. Scope of permit. A permit is limited to the particular vehicle or object to be moved and particular ways and bridges.
7. Construction permits. A permit for a stated period of time may be issued for loads and equipment employed on public way construction projects, United States Government projects or construction of private ways, when within construction areas established by the Department of Transportation. The Permit:
  - A. Must be procured from the municipal officers for a construction area within that municipality;
  - B. May require the Contractor to be responsible for damage to ways used in the construction areas and may provide for:
    - (1) Withholding by the agency of the work of final payment under contract; or
    - (2) The furnishing of a bond by the Contractor to guarantee suitable repair or payment of damages.
  - C. May be granted by the Department of Transportation or by the state engineer in charge of the construction contract; and
  - D. For construction areas, carries no fee and does not come within the scope of this section.
8. Gross vehicle weight permits. The following may grant permits to operate a vehicle having a gross vehicle weight exceeding the prescribed limit:

- A. The Secretary of State, with the consent of the Department of Transportation, for state and state aid highways and bridges within city or compact village limits;
  - B. Municipal officers, for all other ways and bridges within that city and compact village limits; and
  - C. The county commissioners, for county roads and bridges located in unorganized territory.
9. Pilot vehicles and state police escorts. Pilot vehicles required by a permit must be equipped with warning lights and signs as required by the Secretary of State with the advice of the Department of Transportation.

Warning lights may only be operated and lettering on the signs may only be visible on a pilot vehicle while it is escorting on a public way a vehicle with a permit.

The Secretary of State shall require a State Police escort for a single vehicle or a combination of vehicles of 125 feet or more in length or 16 feet or more in width. The Secretary of State, with the advice of the Commissioner of Transportation, may require vehicles of lesser dimensions to be escorted by the State Police.

The Bureau of State Police shall establish a fee for State Police escorts.

All fees collected must be used to defray the cost of services provided.

With the advice of the Commissioner of Transportation and the Chief of the State Police, the Secretary of State shall establish rules for the operation for the operation of pilot vehicles.

10. Taxes paid. A permit for a mobile home may not be granted unless the applicant provides reasonable assurance that all property taxes, sewage disposal charges and drain and sewer assessments applicable to the mobile home, including those for the current tax year, have been paid or that the mobile home is exempt from those taxes.

1993, c. 683, § S-2, eff. January 1, 1995.

### Historical and Statutory Notes

#### Derivation:

R.S. 1954, c. 22 § 98  
Laws 1955, c. 389  
Laws 1967, c. 3.  
Laws 1971, c. 593, § 22.  
Laws 1973, c. 213.  
Laws 1975, c. 130, §  
Laws 1975, c. 319, § 2

Laws 1977, c. 73, § 5.  
Laws 1981, c. 413.  
Laws 1985, c. 225, § 1  
Laws 1987, c. 52.  
Laws 1987, 781, § 3.  
Laws 1989, c. 866, § B-13.  
Laws 1991, c. 388, § 8.  
Laws 1993, c. 683, § A-1.  
Former 29 M.R.S.A. § 2382.

#### Cross Reference

Collection by Secretary of State, See 29-A  
M.R.S.A. § 154.

SPECIAL PROVISION  
DIVISION 100  
LANDSCAPING

104.5.9 Landscape Subcontractors The Contractor shall retain only Landscape Subcontractors that are certified by the Department's Environmental Office's Landscape Unit

110.2.1 Bonds 2<sup>nd</sup> sentence add "The Department will require a Landscape Maintenance Bond (See Section 110.2.3) for all 621, Landscape, Pay Items,"

110.2.3 Bonding for Landscape Establishment Period The Contractor shall provide a signed, valid, and enforceable Performance, Warranty, or Maintenance Bond complying with the Contract, to the Department at Final Acceptance.

All Bonds shall be procured from a company organized and operating in the United States, licensed or approved to do business in the State of Maine by the State of Maine Department of Business Regulation, Bureau of Insurance, and listed on the latest Federal Department of the Treasury listing for "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies."

The bonds shall each be in the full amount for all Pay Items for work pursuant to Section 621 - Landscape, payable to the "Treasurer - State of Maine," and on the Department's forms, on exact copies thereof, or on forms that do not contain any significant variations from the Department's forms as solely determined by the Department.

By issuing a bond, the Surety agrees to be bound by all terms of the Contract, including those related to payment, time for performance, quality, warranties, and the Department's self-help remedy provided in Section 112.1 - Default to the same extent as if all terms of the Contract are contained in the bond(s).

Regarding claims related to any obligations covered by these bonds, the Surety shall provide, within 60 Days of Receipt of written notice thereof, full payment of the entire claim or written notice of all bases upon which it is denying or contesting payment. Failure of the Surety to provide such notice within the 60-day period constitutes the Surety's waiver of any right to deny or contest payment and the Surety's acknowledgment that the claim is valid and undisputed.

The Contractor shall pay all premiums and take all other actions necessary to keep said bond in effect for the duration of the Landscape Establishment Period, Sec 621.0036. If the Surety becomes financially insolvent, ceases to be licensed or approved to do business in the State of Maine, or stops operating in the United States, the Contractor shall file new bonds complying with this Section within 10 Days of the date the Contractor is notified or becomes aware of such change.

621.0036 Establishment Period Change “time of Final Acceptance” to “end of the period of establishment” in paragraph 4 & 5.

In paragraph 7 1<sup>st</sup> & 2<sup>nd</sup> sentence change “Final Acceptance date” to “end of the period of establishment”, 3<sup>rd</sup> sentence change “date of Final Acceptance” to “end of the period of establishment”.

Town: **Farmington**  
Project: **STP-9179(00)X; PIN 9179.00**  
Location: **Route 4 & 27**

**SPECIAL PROVISION**  
**SECTION 104**  
**Utilities**

**MEETING**

A Pre-construction Utility Conference, as defined in Subsection 104.4.6 of the Standard Specifications is required.

**GENERAL INFORMATION**

These Special Provisions outline the arrangements that have been made on behalf of the Maine Department of Transportation (MDOT) for coordination of utility work to be undertaken in conjunction with this project. The following list identifies all known utilities with facilities presently located within the limits of this project or with proposed facilities that will be installed during construction of this project.

Utility	Aerial	Underground
<b>Bee Line TV, Inc</b>	<b>X</b>	
<b>Central Maine Power Company</b>	<b>X</b>	<b>X</b>
<b>Farmington Village Corporation (water)</b>		<b>X</b>
<b>Town of Farmington (sanitary sewer)</b>		<b>X</b>
<b>Verizon</b>	<b>X</b>	

Temporary aerial utility adjustments are **not** anticipated as part of this project.

Unless otherwise specified, any underground utility facilities shown on the project plans represent approximate locations gathered from available information. The MDOT cannot certify the level of accuracy of this data. Underground facilities indicated on the topographic sheets (plan view) have been collected from historical records and/or on site designations provided by the respective utility companies. Underground facilities indicated on the cross-sections have been carried over from the plan view data and may also include further approximations of the elevations (depths) based upon straight-line interpolation from the nearest manholes, gate valves, or test pits.

The respective utility company will make all utility adjustments.

Utility company working days are Monday through Friday, conditions permitting. Estimated utility working days are based on a single crew each day for each utility.

Times and dates mentioned in this specification are estimates only and are dependent upon favorable weather, working conditions, and freedom from emergencies. The Contractor shall have no claim against the MDOT if they are exceeded.

**AERIAL**

SEE ATTACHMENT # 1 FOR PROPOSED UTILITY POLE LOCATIONS &  
UTILITY POLES TO BE REMOVED OR TO REMAIN

**General Information**

- 1) Tree removal that is a part of this project must be completed prior to utility work beginning.
- 2) **No** fire hydrants will be disturbed until approved by the Farmington Village Corporation.
- 3) See Attachment #1 (Pole List) for spot cuts and fills to be provided at proposed pole locations.
- 4) Spot cuts and compacted spot fills will be provided by the contractor and will be considered incidental to earth excavation. The spots fills will be constructed to the subgrade line and the spot cuts will be excavated to the finished slope line.

**Special Notes to the Contractor**

- 1) *The poles between Station 1+332.8 and Station 1+744.5 will be installed following the common borrow being placed to subgrade. No aerial work will be accomplished from the beginning of the project to Station 1+744.5 until all poles have been installed within this area.*

**Central Maine Power Company**

Central Maine Power Company estimates 10 working days to install the new poles. Central Maine Power Company estimates 50 working days to install new conductors to the new pole locations and remove the abandoned conductors.

At the completion of the Verizon aerial transfer or installing new conductors to the new pole locations, Central Maine Power Company estimates 10 working days to remove the abandoned poles.

Pole support or cover up of Central Maine Power Company (CMP Co.) conductors will require a three working day notice from the Contractor. The contact for requesting pole support or cover up from CMP Co. is Harry Clark and he may be reached at 779-9105.

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**Bee Line TV, Inc.**

Bee Line TV, Inc. estimates 10 working days to install new conductors to the new pole locations at the completion of CMP Co.'s transferring or installing new conductors to the new pole location.

The contact for issues regarding Bee Line TV facilities is George Allen and he may be reached at 474-2727.

**Verizon**

Verizon estimates 70 working days to transfer existing conductors or install and splice the new conductors, and remove the abandoned telephone conductors.

The contact for issues regarding Verizon facilities is Marty Pease and he may be reached at 797-1170.

**Summary of Aerial Utility Working Days**

Utility	Estimated Working Days	Description of Work
Central Maine Power Company	10	Install New Poles
Central Maine Power Company	50	Install/Transfer Conductors
Bee Line TV Inc.	10	Install New Conductors
Verizon	60	Install/Transfer Conductors
Verizon	10	Remove Conductors
Central Maine Power Company	10	Remove Poles
<b>Total Estimated Working Days</b>	<b>150</b>	

**UNDERGROUND**

**Farmington Village Corporation (Water Main System)**

The Farmington Village Corp. estimates one working day to relocate each of the following fire hydrants:

- 1) 2+031.0+/-, 7.0+/- meters left
- 2) 2+434.5+/-, 9.5+/- meters left (no relocation or adjustment required)
- 3) 2+915.5+/-, 7.5+/- meters left
- 4) 3+178.5+/-, 6.5+/- meters left
- 5) 3+522.0+/-, 7.0+/- meters left
- 6) 3+880.0+/-, 8.5+/- meters left
- 7) 4+256.0+/-, 10.0+/- meters left

**Special Provisions – Utilities**

**Farmington**

**STP-9179(00)X**



**October 21, 2003**

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**Farmington Village Corporation (Water Main System) continued**

The Farmington Village Corp. will adjust the existing water shutoffs to grade including lowering water shutoffs prior to adjusting to grade as required to accommodate the sequence of construction. The Farmington Village Corp. estimates one working day to adjust and or lower each water-shutoff to grade.

The Farmington Village Corp. estimates 30 working days to lower the existing water main system between Station 1+180+/- and Station 1+730+/- prior to the contractor excavating the existing travel-way. The relocation time estimate includes installation, pressure testing, chlorination and three working days to repair possible leaks after pressure testing.

The new water main will be installed approximately along the left edge of pavement of the existing travel-way.

The contact for issues regarding Farmington Village Corporation (water system) facilities is Tom Holt and he may be reached at 778-4777.

**Town of Farmington (Sanitary Sewer)**

The Town of Farmington (Sanitary Sewer) will adjust to grade their existing sanitary sewer manholes located within the limits of the project in conjunction with the contractor's sequence of construction. The sewer manholes may require temporary lowering prior to adjusting to grade and this work and all work required to temporarily lower the sewer manholes will be accomplished by the Town of Farmington (Sanitary Sewer).

The Town of Farmington (Sanitary Sewer) will require a two working day notice from the contractor prior to adjusting to grade or temporarily lowering the sanitary sewer manholes.

The Town of Farmington (Sanitary Sewer) estimates two working days to temporarily lower or adjust to grade each of their sanitary sewer manholes.

The following sewer manholes\* will require adjusting to grade and/or temporarily lowering prior to adjusting to grade:

- 1) 1+000, 2.5 left Route 4/27
- 2) 1+061, 1.5 right Route 4/27
- 3) 5+051, 0.5 right Box Shop Hill Road
- 4) 1+176.5, 4.5 left Route 4/27
- 5) 1+272, 6.0 left Route 4/27
- 6) 1+370.5, 3.5 left Route 4/27

**Special Provisions – Utilities**

**Farmington**

**STP-9179(00)X**

**October 21, 2003**

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**Town of Farmington (Sanitary Sewer) continued**

- 7) 1+492.5, 3.5 right Route 4/27<sup>1</sup>
- 8) 1+614, 3.5 right Route 4/27<sup>1</sup>
- 9) 1+726, 1.0 right Route 4/27
- 10) 1+848, 3.0 left Route 4/27

\*Additional sanitary sewer manholes found during construction will also be adjusted to grade and/or temporarily lower prior to adjusting to grade by the Town of Farmington (Sanitary Sewer).

<sup>1</sup>Top may require rebuild.

No sanitary sewer main adjustment or relocation is anticipated. Sanitary sewer main line adjustment or relocation, though not anticipated, will be accomplished by the Town of Farmington (Sanitary Sewer).

No sewer service line adjustment or relocation is anticipated. Sewer service line adjustment or relocation, though not anticipated, will be accomplished by the Town of Farmington (Sanitary Sewer).

The contact for issues regarding Bee Line TV facilities is George Allen and he may be reached at 474-2727.

**SIGNING**

Any utility company working within the construction limits of this project shall ensure that the traveling public is adequately protected at all times. All work areas shall be signed, lighted and flaggers employed as field conditions determine. All traffic controls shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices for Streets and Highways, as issued by the Federal Highway Administration.

**BLASTING**

In addition to any other notice that may be required, the Contractor shall notify an authorized representative of each utility company having facilities close to the work site no later than **24 hours** before the blast. The notice shall state the approximate time of the blast.

**DIG SAFE**

The Contractor shall be responsible for determining the presence of underground utility facilities prior to commencing any excavation work and shall notify utilities of proposed excavation in accordance with M.R.S.A. Title § 3360-A, Maine "Dig Safe" System.

**THE CONTRACTOR SHALL PLAN AND CONDUCT THE WORK ACCORDINGLY.**

/dpb

Town: Farmington  
PIN #: 9179.00  
Date: November 14, 2002

SPECIAL PROVISION  
SECTION 105  
General Scope of Work  
(Environmental Requirements)

Instream Work shall not be allowed between the dates of October 1st and July 14th.  
(Instream work is allowed from July 15th to September 30th.)

Stream Names with Stations #: unnamed streams at Stations 2+050, 2+785, 2+870, and 3+275.

Special Conditions: E&S Control Measures

Instream work consists of any activity conducted below normal high water mark.

All activities are prohibited (including placement and removal of cofferdams) below normal high water during the instream work window restriction, except for the following:

- Work within a sealed and dewatered cofferdam. Maintenance pumping within a sealed cofferdam is also allowed.

No construction activity, whether temporary or permanent, is allowed that completely blocks a river, stream, or brook without providing downstream flow.

This Special Provision supersedes the Instream Work Definition listed in the Department of Transportation's Supplemental Specifications and Supplemental Standard Details for Construction, Division 100 General Conditions. That definition is incorrect.

The contractor shall abide by all permits and conditions.

SPECIAL PROVISION  
SECTION 107  
TIME

The specified contract completion date is June 17, 2005.

**SPECIAL PROVISION**  
**CORRECTIONS, ADDITIONS AND REVISIONS**  
Standard Specifications - Revision of December 2002

**SECTION 101**  
**CONTRACT INTERPRETATION**

**101.2 Definitions - Closeout Documentation**

Replace the sentence “A letter stating the amount..... DBE goals.” with “DBE Goal Attainment Verification Form”

**SECTION 102**  
**DELIVERY OF BIDS**  
(Location and Time)

**102.7.1 Location and Time**

Add the following sentence “As a minimum, the Bidder will submit a Bid Package consisting of the Notice to Contractors, the completed Acknowledgement of Bid Amendments & Submission of Bid Bond Validation Number form, the completed Schedule of Items, 2 copies of the completed Agreement, Offer, & Award form, a Bid Bond or Bid Guarantee, and any other Certifications or Bid Requirements listed in the Bid Book.”

**SECTION 103**  
**AWARD AND CONTRACTING**

**103.3.1 Notice and Information Gathering**

Change the first paragraph to read as follows: “After Bid Opening and as a condition for Award of a Contract, the Department may require an Apparent Successful Bidder to demonstrate to the Department’s satisfaction that the Bidder is responsible and qualified to perform the Work.”

**SECTION 105**  
**GENERAL SCOPE OF WORK**

**105.6.2 Contractor Provided Services**

Change the first paragraph by the addition of the following as the second sentence: “The Contractor is also responsible for providing construction centerline, or close reference points, for all Utility Facilities relocations and adjustments as necessary to complete the Work.”

## SECTION 106 QUALITY

106.6 Acceptance Add the following to paragraph 1 of A: “This includes Sections 401 - Hot Mix Asphalt, 402 - Pavement Smoothness, and 502 - Structural Concrete - Method A - Air Content.”

Add the following to the beginning of paragraph 3 of A: “For pay factors based on Quality Level Analysis, and”

## SECTION 107 TIME

107.3.1 General Add the following: “If a Holiday occurs on a Sunday, the following Monday shall be considered a Holiday. Sunday or Holiday work must be approved by the Department, except that the Contractor may work on Martin Luther King Day, President’s Day, Patriot’s Day, the Friday after Thanksgiving, and Columbus Day without the Department’s approval.”

## SECTION 108 PAYMENT

108.4 Payment for Materials Obtained and Stored First paragraph, second sentence, delete the words “...Delivered on or near the Work site at acceptable storage places.”

## SECTION 109 CHANGES

109.1.1 Changes Permitted Add the following to the end of the paragraph: “There will be no adjustment to Contract Time due to an increase or decrease in quantities, compared to those estimated, except as addressed through Contract Modification(s).”

109.1.2 Substantial Changes to Major Items Add the following to the end of the paragraph: “Contract Time adjustments may be made for substantial changes to Major Items when the change affects the Critical Path, as determined by the Department”

## SECTION 402 PAVEMENT SMOOTHNESS

Add the following: “Projects to have their pavement smoothness analyzed in accordance with this Specification will be so noted in Special Provision 403 - Bituminous Box.”

“402.02 Lot Size Lot size for smoothness will be 1000 lane-meters [3000 lane-feet]. A subplot will consist of 20 lane-meters [50 lane-feet]. Partial lots will be included in the previous lot if less than one-half the size of a normal lot. If greater than one-half the normal lot size, it will be tested as a separate lot.”

## SECTION 502 STRUCTURAL CONCRETE

502.0502 Quality Assurance Method A - Rejection by Resident Change the first sentence to read: “For an individual subplot with test results failing to meet the criteria in Table #1, or if the calculated pay factor for Air Content is less than 0.80.....”

502.0503 Quality Assurance Method B - Rejection by Resident Change the first sentence to read: “For material represented by a verification test with test results failing to meet the criteria in Table #1, the Department will.....”

502.0505 Resolution of Disputed Acceptance Test Results Combine the second and third sentence to read: “Circumstances may arise, however, where the Department may .....”

## SECTION 504 REINFORCING STEEL

504.18 Plates for Fabricated Members Change the second paragraph, first sentence from: “...ASTM A 898/A 898 M...” to “...ASTM A 898/A 898 M or ASTM A 435/A 435 M as applicable and...”

## SECTION 535 PRECAST, PRESTRESSED CONCRETE SUPERSTRUCTURE

535.02 Materials Change “Steel Strand for Concrete Reinforcement” to “Steel Strand”

535.26 Lateral Post-Tensioning Replace the first paragraph; “A final tension...” with “Overstressing strands for setting bsses cannot be accomplished for chuck to chuck lengths of 7.6 m [25 ft] and less. In such instances, refer to the Plans for all materials and methods. Otherwise, post-tensioning shall be in accordance with PCI standards and shall provide the anchorage force noted in the Plans. The applied jacking force shall be no less than 100% of the design jacking force.”

SECTION 604  
MANHOLES, INLETS, AND CATCH BASINS

604.02 Materials Add the following:

“Tops and Traps	712.07
Corrugated Metal Units	712.08
Catch Basin and Manhole Steps	712.09”

SECTION 615  
LOAM

615.02 Materials Make the following change:

<u>Organic Content</u>	<u>Percent by Volume</u>
Humus	“5% - 10%”, as determined by Ignition Test

SECTION 618  
SEEDING

618.01 Description Change the first sentence to read as follows: “This work shall consist of furnishing and applying seed .....” Also remove “,and cellulose fiber mulch” from 618.01(a).

618.03 Rates of Application In 618.03(a), remove the last sentence and replace with the following: “These rates shall apply to Seeding Method 2, 3, and Crown Vetch.”

618.09 Construction Method In 618.09(a) 1, sentence two, replace “100 mm [4 in]” with “25 mm [1 in] (Method 1 areas) and 50 mm [2 in] (Method 2 areas)”

618.15 Temporary Seeding Change the Pay Unit from Unit to Kg [lb].

SECTION 620  
GEOTEXTILES

620.03 Placement Section (c)

Title: Replace “Non-woven” in title with “Erosion Control”.

First Paragraph: Replace first word “Non-woven” with “Woven monofilament”.

Second Paragraph: Replace second word “Non-woven” with “Erosion Control”.



620.07 Shipment, Storage, Protection and Repair of Fabric Section (a)

Replace the third sentence with the following: “Damaged geotextiles, as identified by the Resident, shall be repaired immediately.”

620.09 Basis of Payment

Pay Item 620.58: Replace “Non-woven” with “Erosion Control”

Pay Item 620.59: Replace “Non-woven” with “Erosion Control”

SECTION 626  
HIGHWAY SIGNING

626.034 Concrete Foundations Add to the following to the end of the second paragraph: “Pre-cast and cast-in-place foundations shall be warranted against leaning and corrosion for two years after the project is completed. If the lean is greater than 2 degrees from normal or the foundation is spalling within the first two years, the Contractor shall replace the foundation at no extra cost.”

SECTION 637  
DUST CONTROL

637.06 Basis of Payment Add the following after the second sentence of the third paragraph: “Failure by the Contractor to follow Standard Specification or Special Provision - Section 637 and/or the Contractor’s own Soil Erosion and Pollution Control Plan concerning Dust Control and/or the Contractor’s own Traffic Control Plan concerning Dust Control and/or visible evidence of excessive dust problems, as determined by the Resident, will result in a reduction in payment, computed by reducing the Lump Sum Total by 5% per occurrence per day. The Department’s Resident or any other representative of the Department reserves the right to suspend the work at any time and request a meeting to discuss violations and remedies. The Department shall not be held responsible for any delay in the work due to any suspension under this item. Additional penalties may also be assessed in accordance with Special Provision 652 - Work Zone Traffic Control and Standard Specification 656 - Temporary Soil Erosion and Water Pollution Control.”

SECTION 656  
TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL

656.5.1 If Pay Item 656.75 Provided Replace the second paragraph with the following: “Failure by the Contractor to follow Standard Specification or Special Provision - Section 656 and/or the Contractor’s own Soil Erosion and Pollution Control Plan will result in a reduction in payment, computed by reducing the Lump Sum Total by 5% per occurrence per day. The Department’s Resident or any other representative of the Department reserves the right to suspend the work at any time and request a meeting to discuss violations and remedies. The Department shall not be held responsible for any delay in the work due to any suspension under this item.”

SECTION 709  
REINFORCING STEEL AND WELDED STEEL WIRE FABRIC

709.03 Steel Strand Change the second paragraph from "...shall be 12mm [ $\frac{1}{2}$  inch] AASHTO M203M/M203 (ASTM A416/A416M)..." to "...shall be 15.24 mm [0.600 inch] diameter AASHTO M203 (ASTM A416)..."

SECTION 712  
MISCELLANEOUS HIGHWAY MATERIALS

Add the following:

"712.07 Tops, and Traps These metal units shall conform to the plan dimensions and to the following specification requirements for the designated materials.

Gray iron castings shall conform to the requirements of AASHTO M105, Class 30, unless otherwise designated.

Carbon steel castings shall conform to the requirements of AASHTO M103/M103M. Grade shall be 450-240 [65-35] unless otherwise designated.

Structural steel shall conform to the requirements of AASHTO M183/M183M or ASTM A283/A283M, Grade B or better. Galvanizing, where specified for these units, shall conform to the requirements of AASHTO M111.

712.08 Corrugated Metal Units The units shall conform to plan dimensions and the metal to AASHTO M36/M36M. Bituminous coating, when specified, shall conform to AASHTO M190 Type A.

712.09 Catch Basin and Manhole Steps Steps for catch basins and for manholes shall conform to ASTM C478M [ASTM C478], Section 13 for either of the following material:

- (a) Aluminum steps- ASTM B221M, [ASTM B211] Alloy 6061-T6 or 6005-T5.
- (b) Reinforced plastic steps Steel reinforcing bar with injection molded plastic coating copolymer polypropylene. Polypropylene shall conform to ASTM D 4101.

712.23 Flashing Lights Flashing Lights shall be power operated or battery operated as specified.

- (a) Power operated flashing lights shall consist of housing, adapters, lamps, sockets, reflectors, lens, hoods and other necessary equipment designed to give clearly visible

signal indications within an angle of at least 45 degrees and from 3 to 90 m [10 to 300 ft] under all light and atmospheric conditions.

Two circuit flasher controllers with a two-circuit filter capable of providing alternate flashing operations at the rate of not less than 50 nor more than 60 flashes per minute shall be provided.

The lamps shall be 650 lumens, 120 volt traffic signal lamps with sockets constructed to properly focus and hold the lamp firmly in position.

The housing shall have a rotatable sun visor not less than 175 mm [7 in] in length designed to shield the lens.

Reflectors shall be of such design that light from a properly focused lamp will reflect the light rays parallel. Reflectors shall have a maximum diameter at the point of contact with the lens of approximately 200 mm [8 in].

The lens shall consist of a round one-piece convex amber material which, when mounted, shall have a visible diameter of approximately 200 mm [8 in]. They shall distribute light and not diffuse it. The distribution of the light shall be asymmetrical in a downward direction. The light distribution of the lens shall not be uniform, but shall consist of a small high intensity portion with narrow distribution for long distance throw and a larger low intensity portion with wide distribution for short distance throw. Lenses shall be marked to indicate the top and bottom of the lens.

(b) Battery operated flashing lights shall be self-illuminated by an electric lamp behind the lens. These lights shall also be externally illuminated by reflex-reflective elements built into the lens to enable it to be seen by reflex-reflection of the light from the headlights of oncoming traffic. The batteries must be entirely enclosed in a case. A locking device must secure the case. The light shall have a flash rate of not less than 50 nor more than 60 flashes per minute from minus 30 °C [minus 20 °F] to plus 65 °C [plus 150 °F]. The light shall have an on time of not less than 10 percent of the flash cycle. The light beam projected upon a surface perpendicular to the axis of the light beam shall produce a lighted rectangular projection whose minimum horizontal dimension shall be 5 degrees each side of the horizontal axis. The effective intensity shall not have an initial value greater than 15.0 candelas or drop below 4.0 candelas during the first 336 hours of continuous flashing. The illuminated lens shall appear to be uniformly bright over its entire illuminated surface when viewed from any point within an angle of 9 degrees each side of the vertical axis and 5 degrees each side of the horizontal axis. The lens shall not be less than 175 mm [7 in] in diameter including a reflex-reflector ring of 13 mm [½ in] minimum width around the periphery. The lens shall be yellow in color and have a minimum relative luminous transmittance of 0.440 with a luminance of 2854° Kelvin. The lens shall be one-piece construction. The lens material shall be plastic and meet the luminous transmission requirements of this specification. The case containing the batteries and

circuitry shall be constructed of a material capable of withstanding abuse equal to or greater than 1.21 mm thick steel [No. 18 U.S. Standard Gage Steel]. The housing and the lens frame, if of metal shall be properly cleaned, degreased and pretreated to promote adhesion. It shall be given one or more coats of enamel which, when dry shall completely obscure the metal. The enamel coating shall be of such quality that when the coated case is struck a light blow with a sharp tool, the paint will not chip or crack and if scratched with a knife will not powder. The case shall be so constructed and closed as to exclude moisture that would affect the proper operation of light. The case shall have a weep hole to allow the escape of moisture from condensation. Photoelectric controls, if provided, shall keep the light operating whenever the ambient light falls below 215 lx [20 foot candles]. Each light shall be plainly marked as to the manufacturer's name and model number.

If required by the Resident, certification as to conformance to these specifications shall be furnished based on results of tests made by an independent testing laboratory. All lights are subject to random inspection and testing. All necessary random samples shall be provided to the Resident upon request without cost to the Department. All such samples shall be returned to the Contractor upon completion of the tests.

712.32 Copper Tubing Copper tubing and fittings shall conform to the requirements of ASTM B88M Type A [ASTM B88, Type K] or better.

712.33 Non-metallic Pipe, Flexible Non-metallic pipe and pipe fittings shall be acceptable flexible pipe manufactured from virgin polyethylene polymer suitable for transmitting liquids intended for human or animal consumption.

712.34 Non-metallic Pipe, Rigid Non-metallic pipe shall be Schedule 40 polyvinylchloride (PVC) that meets the requirement of ASTM D1785. Fittings shall be of the same material.

712.341 Metallic Pipe Metallic pipe shall be ANSI, Standard B36.10, Schedule 40 steel pipe conforming to the requirements of ASTM A53 Types E or S, Grade B. End plates shall be steel conforming to ASTM A36/A36M.

Both the sleeve and end plates shall be hot dip galvanized. Pipe sleeve splices shall be welded splices with full penetration weld before galvanizing.

712.35 Epoxy Resin Epoxy resin for grouting or sealing shall consist of a mineral filled thixotropic, flexible epoxy resin having a pot life of approximately one hour at 10°C [50°F]. The grout shall be an approved product suitable for cementing steel dowels into the preformed holes of curb inlets and adjacent curbing. The sealant shall be an approved product, light gray in color and suitable for coating the surface.

712.36 Bituminous Curb The asphalt cement for bituminous curb shall be of the grade required for the wearing course, or shall be Viscosity Grade AC-20 meeting the current requirements of Subsection 702.01 Asphalt Cement. The aggregate shall conform to the requirements of Subsection 703.07. The coarse aggregate portion retained on the 2.36 mm [No. 8] sieve may be either crushed rock or crushed gravel.

The mineral constituents of the bituminous mixture shall be sized and graded and combined in a composite blend that will produce a stable durable curbing with an acceptable texture. Bituminous material for curb shall meet the requirements of Section 403 - Hot Bituminous Pavement.

712.37 Precast Concrete Slab Portland cement concrete for precast slabs shall meet the requirements of Section 502 - Structural Concrete, Class A.

The slabs shall be precast to the dimension shown on the plans and cross section and in accordance with the Standard Detail plans for Concrete Sidewalk Slab. The surface shall be finished with a float finish in accordance with Subsection 502.14(c). Lift devices of sufficient strength to hold the slab while suspended from cables shall be cast into the top or back of the slab.

712.38 Stone Slab Stone slabs shall be of granite from an acceptable source, hard, durable, predominantly gray in color, free from seams which impair the structural integrity and be of smooth splitting character. Natural color variations characteristic of the deposit will be permitted. Exposed surfaces shall be free from drill holes or indications of drill holes. The granite slabs in any one section of backslope must be all the same finish.

The granite slabs shall be scabble dressed or sawed to an approximately true plane having no projections or depressions over 13 mm [ $\frac{1}{2}$  in] under a 600 mm [2 ft] straightedge or over 25 mm [1 in] under a 1200 mm [4 ft] straightedge. The arris at the intersection of the top surface and exposed front face shall be pitched so that the arris line is uniform throughout the length of the installed slabs. The sides shall be square to the exposed face unless the slabs are to be set on a radius or other special condition which requires that the joints be cut to fit, but in any case shall be so finished that when the stones are placed side by side no space more than 20 mm [ $\frac{3}{4}$  in] shall show in the joint for the full exposed height.

Liftpin holes in all sides will be allowed except on the exposed face.

## SECTION 717 ROADSIDE IMPROVEMENT MATERIAL

717.05 Mulch Binder. Change the third sentence to read as follows:

“Paper fiber mulch may be used as a binder at the rate of 2.3 kg/unit [5 lb/unit].”

SPECIAL PROVISION  
SECTION 105  
LEGAL RELATIONS WITH AND RESPONSIBILITY TO PUBLIC  
(NPDES)

105.8.2 Permit Requirements This Section is revised by the addition of the following paragraph:

”The Contractor is advised that the Environmental Protection Agency has issued a final National Pollutant Discharge Elimination System (NPDES) General Permit for storm water discharges from construction sites disturbing more than 2 ha [5 acres]. This permit requires:

- Storm Water Pollution Prevention Plan
- Submission of a Notification of Intent (NOI) at least 48 hours before construction commences
- Submission of a Notification of Termination (NOT) when a site has been finally stabilized and all storm water discharges from construction activities are eliminated.

If the project’s land disturbances is 2 ha [5 acres] or more, the Department will prepare the plan and submit the NOI (and NOT). The Contractor shall prepare plans and submit NOI’s (and NOT’s) for regulated construction activities beyond the project limits (e.g., borrow pits).

The Contractor shall be familiar with and comply with these regulations.”

SPECIAL PROVISION  
SECTION 304  
AGGREGATE BASE AND SUBBASE COURSE  
(Aggregate Subbase)

If the Contractor wishes to route public traffic over the completed aggregate subbase course, the course shall be constructed with a minimum 50 mm [2 in] surcharge above the design grade, except as described below. Whenever the surcharge is used, it shall be constructed with material meeting the requirements of Section 703.06(b), Type D Aggregate. Also, whenever, the surcharge is used, it shall be placed on all the aggregate subbase course subjected to public driveways, sidewalks, approach roads, or the outer portions of the shoulders. Removal of the surcharge shall be followed immediately in succession by the fine grading of the aggregate subbase and construction of the next course.

The furnishing, placing, maintaining, and removal of the surcharge will not be paid for directly, but will be considered incidental to the Aggregate Subbase Course pay item.

If salvaged bituminous pavement is placed as the top layer of the aggregate subbase course, a surcharge is not required.

SPECIAL PROVISION  
SECTION 310  
PLANT MIXED RECYCLED ASPHALT PAVEMENT

310.01 Description This work shall consist of the removal of existing bituminous pavement from the existing roadway, hauling to an approved location to be stockpiled, processed and placed in one or more courses, the regrading and compaction of existing gravel base to the tolerances shown on the typicals or as directed by the Resident. All plant mixed recycled asphalt pavement shall be placed on an approved base in accordance with these specifications and in reasonably close conformity with the lines, grades, thicknesses, and typical cross sections shown on the plans or established by the Resident.

MATERIALS

310.02 Composition of Mixture The mixture shall be composed of recycled asphalt pavement and emulsified asphalt. The recycled asphalt pavement shall be processed by the Contractor so all material will be no larger than 37.5 mm [1.5 in] and stockpiled so as to minimize segregation. The stockpile shall be free of any materials not generally considered to be asphalt pavement.

A job mix formula shall be furnished by the Department establishing the exact percentage of emulsified asphalt and water to be used in the mixture.

The initial design of the mixture shall contain an approximate 2.5 percent [ $\pm 0.25$  percent] added emulsified asphalt content, an approximate 2.5 percent [ $\pm 0.25$  percent] added water content, and an approximate 1.5 percent [ $\pm 0.15$  percent] added Portland cement by weight.

Emulsion, water, and portland cement shall be added in percentage by weight and verified by tank checks done daily. Cement additive may be done in dry form or introduced as a mixture with water.

310.022 Emulsified Asphalt The emulsified asphalt shall be grade MS-2 or HFMS-2 meeting the requirements of Section 702.04 - Emulsified Asphalt.

310.023 Portland Cement The portland cement shall be Type I or II meeting the requirements of AASHTO M85-89.

EQUIPMENT

310.03 Mixing Plant The mixing plant shall be of sufficient capacity and coordinated to adequately handle the proposed construction. Either a continuous pugmill mixer or a continuous drum type mixing plant shall be used. If a drum mixing plant is used it shall meet



the requirements of Section 401.07. The mixing plant shall be capable of producing a uniform mixture meeting the requirements of the job mix formula.

310.04 Hauling Equipment Trucks used for hauling the mixture shall meet the requirements of Section 401.08.

310.05 Bituminous Pavers Pavers shall meet the requirements of Section 401.09.

307.06 Rollers Rollers shall meet the requirements of Section 401.10.

## CONSTRUCTION REQUIREMENTS

310.07 Mixing The recycled asphalt pavement shall be delivered to the mixer at a temperature of not less than 10°C [50°F]. The emulsified asphalt shall meet the mixing temperature requirements listed in Section 702.05 - Application Temperatures. Recycled pavement and emulsified asphalt shall be proportioned and the mixing time set to produce a mixture in which uniform distribution of the emulsified asphalt and coating of the recycled pavement is obtained.

If a drum type mixing plant is used, the recycled asphalt pavement may be heated prior to being mixed with the emulsified asphalt to a temperature not to exceed 90°C [194°F].

Following mixing, the recycled asphalt pavement material shall be directly incorporated into the work. The material shall not be stockpiled after mixing and prior to use.

310.08 Weather Limitations The plant mixed recycled asphalt pavement shall not be placed under any of the following conditions: (a) when there is standing water on the surface, (b) when the air temperature in the shade is less than 10°C [50°F], (c) when the surface is frozen, or (d) when weather conditions otherwise prevent proper handling, finishing, or curing of the mixture.

310.09 Spreading and Finishing The mixture shall be spread and finished in accordance with Section 401.15.

310.10 Compaction Compaction of the mixture shall be in accordance with Section 401.16. Rolling may be delayed to avoid lateral displacement as directed by the Resident.

310.11 Joints Joints shall be constructed in accordance with Section 401.18.

310.12 Surface Tolerances The surface tolerances shall be as specified in Section 401.101, except that the maximum allowable variation shall be 10 mm [3/8 in].

310.13 Density Requirements The in-place density of the mixture will be accepted by the Department by the nuclear thin lift method. A control section of pavement of approximately

100 m [300 ft] will be designated at the start of the paving operations. After the control section has been placed, it will be rolled as directed until the nuclear density readings show an increase in density of less than  $15 \text{ kg/m}^3$  [1 pcf] for the final 4 roller passes. This density will be used as the target density for the recycled material. The remaining recycled asphalt pavement shall be compacted to a minimum density of 98 percent of the target density as determined in the control section.

310.14 Curing No new pavement shall be placed on the recycled asphalt pavement until a curing period of 7 days has elapsed. The curing period begins after being placed in the roadway. When weather conditions are unfavorable the curing period may be extended by the Resident.

310.15 Method of Measurement Plant Mixed Recycled Asphalt Pavement shall be measured by the square meter [square yard].

310.16 Basis of Payment The accepted quantity of Plant Mixed Recycled Asphalt Pavement will be paid for at the contract unit price per square meter [square yard], complete in-place which price will be full compensation for furnishing all equipment and labor for removing existing pavement, processing, mixing, placing, and compacting, regrading and compacting existing gravel base and for all incidentals necessary to complete the work.

Plant Mixed Recycled Asphalt Pavement will be placed on approved base of the travel lanes and the shoulders. The thickness of Plant Mixed Recycled Asphalt Pavement for the travel lanes will be 80 mm. However, under the shoulders the thickness of Plant Mixed Recycled Asphalt Pavement tapers from 80 mm at the outside edge of travel lanes to 40 mm at the outside edge of shoulders, and the shoulder widths vary throughout the project as shown on the Typical Sections. The average shoulder width over the entire project is approximately 2.72 meters.

The Department will compensate the Contractor in accordance with Section 109.7.5 – Force Account, paragraph B. Materials, if the Department's mix design requirements for Plant Mix Asphalt Pavements exceeds the 2.5 percent including tolerances for added emulsion, or the 1.5 percent including tolerances for added Portland cement. Adjustments in water content exceeding the initial targets shall not be paid for directly, but shall be incidental to Item 310.

Payments will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
310.231 – 3" (80mm) Plant Mixed Recycled Asphalt Pavement – Variable Thickness	Square Yard [Square Meter]

SPECIAL PROVISION  
SECTION 401  
HOT MIX ASPHALT PAVEMENT

**Section 401 - Hot Mix Asphalt Pavement, subsection 401.222 Pay Factor (PF) (Methods A and B), paragraph 1 through 3, has been deleted and replaced with the following revision. These revisions will remain in effect for all Hot Mix Asphalt Pavements to be placed in calendar year 2003.**

**All Hot Mix Asphalts Pavements to be placed in calendar year 2004 will be governed by the limits outlined in Section 401, subsection 401.222 of the Standard Specifications.**

“401.222 Pay Factor (PF) (Methods A and B) The Department will use density, Performance Graded Asphalt Binder content, voids @N<sub>d</sub>, VMA, VFB, F/B<sup>e</sup>, and the screen sizes listed in Table 10 for the type of HMA represented in the JMF. The Department will evaluate materials using the following price adjustment factors under Section 106.7 - Quality Level Analysis.

The Department will apply price adjustments to the appropriate Hot Mix Asphalt Pavement pay items. Price adjustments shall be applied based on test results for each lot. If any pay factor for any single property (or composite gradation) falls below 0.85, the Contractor shall shut down the HMA plant. If any single pay factor for PGAB Content, VMA, or Air Voids falls below 0.75 for Method A or 0.83 for Method B, the composite pay factor for PGAB Content, VMA, and Air Voids shall be 0.55 for Method A or 0.70 for Method B.

If the pay factor for Density falls below 0.75 for Method A or 0.83 for Method B, all of the cores will be randomly recut by Sublot. A new pay factor will be calculated that combines all initial and retest results. If the resulting pay factor is below 0.75 for Method A or below 0.83 for Method B, the entire Lot shall be removed and replaced with material meeting the specifications at no additional cost to the Department. Pay factors equal to or greater than the reject level will be paid accordingly.”

**SPECIAL PROVISION**  
**SECTION 403**  
**HOT MIX ASPHALT OVERLAY**

Desc. of Course	Grad. Design	Item Number	Bit Cont. % of Mix	Total Thick	No. Of Layers	Comp. Notes
<b><u>Plant Mixed Asphalt Pavement</u></b>						
<b><u>Full Construction Areas</u></b>						
<b><u>Mainline Travelway</u></b>						
Wearing	12.5mm	403.208	N/A	40mm	1	5,7,22
Base	19.0mm	403.207	N/A	80mm	1/more	5,7,11
<b><u>Plant Mixed Asphalt Pavement</u></b>						
<b><u>Full Construction Areas</u></b>						
<b><u>Normal Shoulders</u></b>						
Wearing	12.5mm	403.208	N/A	40-25mm	1	5,7
Base	19.0mm	403.207	N/A	80-20mm	1	5,7,11
<b><u>Plant Mixed Asphalt Pavement</u></b>						
<b><u>Full Construction Areas</u></b>						
<b><u>Curbed, Superelevated Lowside Shoulders</u></b>						
Wearing	12.5mm	403.208	N/A	40-25mm	1	5,7
Base	19.0mm	403.207	N/A	80-20mm	1	5,7,11
<b><u>Drives, Sidewalks, Misc.</u></b>						
Wearing	9.5mm	403.209	N/A	50mm	1/more	2,3,9,10,13

**COMPLEMENTARY NOTES**

2. The density requirements are waived.
3. The design traffic level for mix placed shall be <0.3 million ESALS.
5. The aggregate qualities shall meet the design traffic level of 3 to <10 million ESALS for mix placed under this contract.
7. Section 106.6 Acceptance, (1) Method A.
9. Section 106.6 Acceptance, (2) Method C.
10. A **"FINE"** 9.5 mm mix with a gradation above or through the restricted zone shall be used for this item.
11. A mixture meeting the gradation of 12.5 mm hot mix asphalt may be used at the option of the contractor. If this option is utilized, the lift thicknesses may need to be modified, and shall be approved by the Resident prior to placement.
12. A mixture meeting the gradation of 9.5 mm hot mix asphalt may be used at the option of the contractor.
13. A mixture meeting the requirements of section 703.09 Grading 'D', with a minimum PGAB content of 6%, and the limits of Special Provision 401, Table 9 (Drives and Sidewalks) for PGAB content and gradation may be substituted for this item. A job mix formula shall be submitted to the department for approval.
22. The final pavement surface shall be evaluated for smoothness in accordance with the Standard Specifications, revision of December 2002, Section 402 - Pavement Smoothness.

**Farmington  
STP-9179(00)X  
Highway Reconstruction  
PMRAP  
Route 4/27  
August 4, 2003**

Tack Coat

A tack coat of emulsified asphalt, RS-1 or HFMS-1, Item #409.15 shall be applied to any existing pavement and the **Plant Mixed Asphalt surface** at a rate of approximately 0.08 L/m<sup>2</sup>, and on milled pavement approximately 0.2 L/m<sup>2</sup>, prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim / intermediate course and the surface course, at a rate not to exceed 0.08 L/m<sup>2</sup>.

Tack used between new layers of pavement will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.

SPECIAL PROVISION  
SECTION 534  
PRECAST STRUCTURAL CONCRETE  
(Precast Structural Concrete Arches, Box Culverts)

534.10 Description The Contractor shall design, manufacture, furnish, and install elements, precast structural concrete structures, arches, or box culverts and associated wings, headwalls, and appurtenances, in accordance with the contract documents.

534.20 Materials Structural precast elements for the arch or box culvert and associated precast elements shall meet the requirements of the following Subsection:

Structural Precast Concrete Units

712.061

Grout, concrete patching material, and geotextiles shall be one of the products listed on the Department's list of prequalified materials, unless otherwise approved by the Department.

534.30 Design Requirements The Contractor shall design the precast structural concrete structure in accordance with the AASHTO Standard Specifications for Highway Bridges, current edition, by either the Load Factor Design (LFD) or Load and Resistance Factor Design (LRFD) method. The design live load shall be as follows: MS-22.5 (HS-25) for LFD method, \*modified HL-93 Strength I for LRFD method. \*(modify HL-93 by increasing all wheel loads by a factor of 1.25)

The Contractor shall submit design calculations and shop drawings for the precast structure to the Department for approval. A Registered Professional Engineer, licensed in accordance with State of Maine laws, shall sign and seal all design calculations and drawings. The Contractor shall submit a bridge rating on the Department's Standard Bridge Rating Summary Sheet with the design calculations. Drawings shall conform with Section 105.7 - Working Drawings.

The Contractor shall submit the following items for review by the Resident at least ten working days prior to production:

- A) The name and location of the manufacturer.
- B) Method of manufacture and material certificates.
- C) Description of method of handling, storing, transporting, and erecting the members.
- D) Shop Drawings with the following minimum details:
  - 1) Fully dimensioned views showing the geometry of the members, including all projections, recesses, notches, openings, block outs, and keyways.
  - 2) Details and bending schedules of reinforcing steel including the size, spacing, and location. Reinforcing provided under lifting devices shall be shown in detail.
  - 3) Details and locations of all items to be embedded.
  - 4) Total mass (weight) of each member.

534.40 Construction Requirements The applicable provisions of Subsection 535.10 - Methods and Equipment and Subsection 535.20 - Forms and Casting Beds shall be met.

Manufacture of Precast Units The internal dimensions shall not vary by more than 1 percent from the design dimensions or 38 mm [1 ½ in], whichever is less. The haunch dimensions shall not vary by more than 19 mm [¾ in] from the design dimension. The dimension of the legs shall not vary by more than 6 mm [¼ in] from the dimension shown on the approved shop drawings.

The slab and wall thickness shall not be less than the design thickness by more than 6 mm [¼ in]. A thickness greater than the design thickness shall not be cause for rejection.

Variations in laying lengths of two opposite surfaces shall not be more than 15 mm [⅝ in] in any section, except where beveled ends for laying of curves are specified.

The under-run in length of any section shall not be more than 12 mm [½ in].

The cover of concrete over the outside circumferential reinforcement shall be 50 mm [2 in] minimum. The concrete cover over the inside reinforcement shall be 38 mm [1 ½ in] minimum. The clear distance of the end of circumferential wires shall not be less than 25 mm [1 in] or more than 50 mm [2 in] from the end of the sections. Reinforcement shall be single or multiple layers of welded wire fabric or a single layer of deformed billet steel bars.

Welded wire fabric shall meet the space requirements and contain sufficient longitudinal wires extending through the section to maintain the shape and position of the reinforcement. Longitudinal distribution reinforcement may be welded wire fabric or deformed billet steel bars which meet the spacing requirements. The ends of the longitudinal distribution reinforcement shall be not more than 75 mm [3 in] from the ends of the sections.

The inside circumferential reinforcing steel for the haunch radii or fillet shall be bent to match the radii or fillets of the forms.

Tension splices in the reinforcement will not be permitted. For splices other than tension splices, the overlap shall be a minimum of 300 mm [12 in] for welded wire fabric or billet steel bars. The spacing center to center of the circumferential wires in a wire fabric sheet shall be not less than 50 mm [2 in] or more than 100 mm [4 in]. For the wire fabric, the spacing center to center of the longitudinal wires shall not be more than 200 mm [8 in]. The spacing center to center of the longitudinal distribution steel for either line of reinforcing in the top slab shall be not more than 375 mm [15 in].

The members shall be free of fractures. The ends of the members shall be normal to the walls and centerline of the section, within the limits of variation provided, except where beveled ends are specified. The surfaces of the members shall be a smooth steel form or troweled surface finish, unless a form liner is specified. The ends and interior of the assembled structure shall make a continuous line of members with a smooth interior surface.

Defects which may cause rejection of precast units include the following:

- 1) Any discontinuity (crack or rock pocket etc.) of the concrete which could allow moisture to reach the reinforcing steel.
- 2) Rock pockets or honeycomb over 4000 mm<sup>2</sup> [6 in<sup>2</sup>] in area or over 25 mm [1 in] deep.
- 3) Edge or corner breakage exceeding 300 mm [12 in] in length or 25 mm [1 in] in depth.
- 4) Extensive fine hair cracks or checks.
- 5) Any other defect that clearly and substantially impacts the quality, durability, or maintainability of the structure as measured by accepted industry standards.

The Contractor shall store and transport members in a manner to prevent cracking or damage. The Contractor shall not place precast members in an upright position until a compressive strength of at least 30 MPa [4350 psi] is attained.

Installation of Precast Units The Contractor shall not ship precast members until sufficient strength has been attained to withstand shipping, handling and erection stresses without cracking, deformation, or spalling (but in no case less than 30 MPa [4350 psi]).

The Contractor shall set precast members on 12 mm [½ in] neoprene pads during shipment to prevent damage to the section legs. The Contractor shall repair any damage to precast members resulting from shipping or handling by saw cutting a minimum of 12 mm [½ in] deep around the perimeter of the damaged area and placing a polymer-modified cementitious patching material.

When footings are required, the Contractor shall install the precast members on concrete footings that have reached a compressive strength of at least 20 MPa [2900 psi]. The Contractor shall construct the completed footing surface to the lines and grades shown on the plans. When checked with a 3 m [10 ft] straightedge, the surface shall not vary more than 6 mm [¼ in] in 3 meters [10 ft]. The footing keyway shall be filled with a non-shrink flowable cementitious grout with a design compressive strength of at least 35 MPa [5075 psi].

The Contractor shall fill holes that were cast in the units for handling, with either Portland cement mortar, or with precast plugs secured with Portland cement mortar or other approved adhesive. The Contractor shall completely fill the exterior face of joints between precast members with an approved material and cover with a minimum 300 mm [12 in] wide joint wrap. The surface shall be free of dirt and deleterious materials before applying the filler material and joint wrap. The Contractor shall install the external wrap in one continuous piece over each member joint, taking care to keep the joint wrap in place during backfilling. The Contractor shall seal the joints between the end unit and attached elements with a non-woven geotextile. The Contractor shall install and tighten the bolts fastening the connection plate(s) between the elements that are designed to be fastened together as designated by the manufacturer.

Final assembly shall be approved by the manufacturer's representative prior to backfilling. The Contractor shall backfill the structure in accordance with the manufacturer's instructions and the Contract documents. The Contractor shall uniformly distribute backfill material in



layers of not more than 200 mm [8 in] depth, loose measure, and thoroughly compact each layer using approved compactors before successive layers are placed. The Contractor shall compact gravel borrow backfill in accordance with Section 203.12 - Construction of Earth Embankment with Moisture and Density Control, except that the minimum required compaction shall be 95 percent of maximum density as determined by AASHTO T99, Method C or D. The Contractor shall place and compact backfill without disturbance or displacement of the wall units, keeping the fill at approximately the same elevation on both sides of the structure. Whenever a compaction test fails, the Contractor shall not place additional backfill over the area until the lift is re-compacted and a passing test achieved.

The Contractor shall use hand-operated compactors within 1.5 m [5 ft] of the precast structure as well as over the top until it is covered with at least 300 mm [12 in] of backfill. Equipment in excess of 11 Mg [12 ton] shall not use the structure until a minimum of 600 mm [24 in] of backfill cover is in place and compacted.

534.50 Method of Measurement The Department will measure Precast Structural Concrete Arch or Box Culvert for payment per Lump Sum each, complete in place and accepted.

534.60 Basis of Payment The Department will pay for the accepted quantity of Precast Structural Concrete Arch or Box Culvert at the Contract Lump Sum price, such payment being full compensation for all labor, equipment, materials, professional services, and incidentals for furnishing and installing the precast concrete elements and accessories. Falsework, reinforcing steel, jointing tape, grout, cast-in-place concrete fill or grout fill for anchorage of precast wings and/or other appurtenances is incidental to the Lump Sum pay item. Pay adjustments for quality level will not be made for precast concrete.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
534.70 Precast Structural Concrete Arch	Lump Sum
534.71 Precast Concrete Box Culvert	Lump Sum

October 20, 2003

SPECIAL PROVISION  
SECTION 534  
RISER PIPE

Description This work shall consist of furnishing and installing riser pipes for making connections to precast concrete box culverts as designated on the plans.

As directed by the Construction Manager and as shown on the plans, 450mm polyvinylchloride (PVC) riser pipes and caps shall be installed at Station 2+873 RT and at Station 3+283 LT by making connection to the new 900mm x 900mm precast concrete box culvert and connection to the new 1200mm x 1200mm precast concrete box culvert, respectively; and for making connections with respective 300mm Underdrain Type C.

The PVC material shall meet or exceed requirements for SDR 35, as specified by ASTM.

The accepted work for supplying all materials, equipment, and labor will be incidental to Pay Item 534.71 Precast Concrete Box Culvert 900 mm x 900 mm Sta 2+875 and Pay Item 534.71 Precast Concrete Box Culvert 1200 mm x 1200mm Sta 3+287, and no additional compensation will be made for complying with this special provision.

SPECIAL PROVISION  
SECTION 602  
FLOWABLE CONCRETE FILL

Description. This work shall consist of providing and placing flowable concrete fill at the locations designated on the plans.

MATERIALS

Materials shall conform to the requirements specified in the following Subsections of Division 700 – Materials:

Portland Cement	701.01
Water	701.02
Air Entraining Admixtures	701.03
Fine Aggregate	703.01
Fly Ash	701.10
Water Reducing Admixtures	701.04
Accelerating Admixtures	AASHTO M-194 Type "C"

CONSTRUCTION REQUIREMENTS

Composition and Proportioning. Flowable concrete fill shall be composed of a homogeneous mixture of Portland cement and/or pozzolans, fine aggregate, water, and chemical admixtures proportioned according to these specifications.

The flowable concrete fill shall be proportioned to produce a 28-day compressive strength of 760 kPa.

The water cement ratio for flowable concrete fill shall not be high enough to cause segregation of the mix.

Air content of 5 – 15% is the target. Higher air contents may be acceptable but will increase set time. All flowable concrete fill shall be air entrained by the addition of an air entraining admixture or other chemical admixtures.

At least 30 days prior to the first placement, a flowable concrete fill mix design shall be submitted by the Contractor to the Department for approval. No flowable concrete fill shall be placed on the project until the mix design is approved by the Department. At a minimum, the mix design submitted by the Contractor shall include the following:

- A. Target water cement ratio
- B. Target strength
- C. Target air content

Quality Control. Process control measurements of air content, mix temperature, and slump shall be performed on the portion or portions of flowable concrete fill batches delivered to the site. At least one set of measurements for air content, temperature, and slump of flowable concrete fill mix shall be performed per placement or per day, whichever is less frequent. Test cylinders will not be required.

Air content shall be measured following the requirements of AASHTO T152 utilizing Type B equipment.

Slump shall be measured by Modified Slump Test as described below:

Apparatus:

Scoop, measuring tape, flat edge, 75 mm x 150 mm cylinder mold open at both ends, and a flat non-absorbent surface.

Procedure:

1. Set cylinder upright on flat non-absorbent surface.
2. Scoop representative sample of flowable concrete fill.
3. Fill the cylinder with the sample in one lift without tamping. Strike off the top with the flat edge to form a level surface.
4. Clear any residue from around the bottom of the cylinder.
5. During a count of three seconds, lift the cylinder straight up allowing the sample to spread on the flat surface.
6. Measure the spread diameter to the nearest 15 mm. A spread of 225-350 mm is considered flowable.

Batching. Measuring and batching of materials shall be performed at an approved batching plant, either commercial or otherwise.

Mixing and Delivery. The Contractor shall provide a Certificate of Compliance as described in Standard Specification 502 Structural Concrete, Section 502.0501 Quality Control METHOD A, METHOD B and METHOD C for each truckload of flowable concrete fill.

Cold Weather Placement. The requirements of Standard Specification 502 Structural Concrete, Section 502.08 Cold Weather Concrete, amended as follows, apply.

The Cold Weather Temperature Table does not apply to flowable concrete fill. The minimum concrete temperature as placed shall be 4.40° C. No housing framework or heating will be required when placed under approved cold weather conditions.

Forms and Containment Berms. When necessary to contain flowable concrete fill within a defined area, berms shall be constructed of compacted granular material.

Placing Flowable Concrete Fill. Flowable concrete fill shall not be placed until forms and/or containment berms have been checked and approved. Flowable concrete fill shall not be placed under water. The method and sequence of placing flowable concrete fill shall be approved by the Department before any flowable concrete fill is placed. A technical representative from the flowable concrete fill supplier shall be present during the initial placement.

All flowable concrete fill shall be placed before it has taken its initial set. Flowable concrete fill shall be placed in such a manner as to avoid separation and segregation of the mix.

Consolidation, tamping, and vibration is not required or allowed.

Flowable concrete fill shall be discharged directly from the truck into the space to be filled. The drop height of the flowable concrete fill shall be as low as practicable. Flowable concrete fill shall not flow down the vertical face of a trench causing erosion of the trench face.

Finishing and curing of flowable concrete fill is not required.

Flowable concrete fill placed will not be opened to traffic or covered with structural concrete or pavement for a minimum of 24 hours.

Method of Measurement. Flowable concrete fill satisfactorily placed and accepted will be measured by the cubic meter, in accordance with the pay limits established, if such limits have been established. If the Contractor elects to omit forms, or berms, then any excavation or flowable concrete fill placed beyond the pay limits indicated on the Plans shall not be paid for, but shall be at the Contractor's expense. In the absence of pay limits, the Resident may use discretion to accept the delivered quantity as the measurement for payment.

Basis of Payment. The accepted work done under flowable concrete fill will be paid for at the contract unit price per cubic meter. Payment will be full compensation for furnishing and placing flowable concrete fill, including all forms, berms, granular material, pumping, dewatering and necessary incidentals.

Payment will be made under:

Pay Item	Pay Unit
602.30 Flowable Concrete Fill	Cubic Meter

SPECIAL PROVISION  
SECTION 606  
GUARDRAIL  
(Remove and Dispose)

This Section of the Standard Specifications is amended by the addition of the following:

Description This work shall consist of the removing and disposing of existing beam guardrail, as indicated on the plans.

CONSTRUCTION REQUIREMENTS

General The existing guardrail shall be removed and shall become the property of the Contractor to be disposed of off the project.

Method of Measurement Guardrail, Remove and Dispose, will be measured by the meter [foot] of rail.

Basis of Payment The quantity of Guardrail, Remove and Dispose, will be paid for at the contract unit price per meter [foot].

Payment will made under:

<u>Pay Item</u>	<u>Pay Unit</u>
606.363 Guardrail, Remove and Dispose	Meter [Foot]

Farmington  
9179.00  
April 14, 2003

SPECIAL PROVISIONS  
SECTION 621  
LANDSCAPE  
( Plant Species Specification and Quantities List )

The following list of items provides the estimated quantities for use on this project. The scientific name of the plant material is provided along with the common name in parenthesis.

The contractor shall follow MDOT Standard Specifications, December 2002, for landscape materials and installation procedures (Sec 621 ).

The MDOT Landscape Architect or his designee will be available to inspect plant materials and stake the location of plant materials at the time of planting.

All shrubs shall be planted in mulched beds, Items 621.395 & 621.54 1200mm o.c, Item 621.522 1800 mm o.c..

ITEM NO	Description	Unit	Quantity	Total
621.037	Evergreen Trees (1500 mm - 1800 mm) B&B	Ea		34
	Thuja occidentalis Nigra (Dark American Arborvitae)		8	
	Picea pungens (Colorado Spruce)		15	
	Pinus strobes (White Pine)		11	
621.12	Sm Deciduous Tree (1500 mm – 1800 mm) con	Ea		20
	Amelanchier grandiflora std (Shadbush)		10	
	Viburnum prunifolium std (Blackhaw Viburnum)		10	
621.195	Md Deciduous Trees (45 mm – 50 mm cal) B&B	Ea		15
	Malus sp. Doglo (Dolgo Crabapple)		7	
	Malus sp Zumi (Zumi Crabapple)		8	
621.201	Md Deciduous Trees (50 mm - 65 mm cal) B&B	Ea		10
	Syringa reticulata (Japanese Tree Lilac)		10	
621.249	Lg Deciduous Trees (1800 mm - 2400 mm) con	Ea		50
	Acer saccharum (Sugar Maple)		30	
	Fraxinus p. Summit ( Summit Green Ash)		20	
621.267	Lg Deciduous Trees (45 mm – 50 mm cal)			45

	B&B			
	Acer rubrum (Red Maple)		23	
	Fraxinus p. Summit (Summit Green Ash)		22	
621.273	Lg Deciduous Trees (50 mm - 65 mm cal) B&B	Ea		10
	Acer rubrum (Red Maple)		5	
	Fraxinus p. Summit (Summit Green Ash)		5	
621.395	Dwarf Evergreen (450 mm - 600 mm) B&B			21
	Taxus media Brownii (Brownii Yew)		21	
621.54	Deciduous Shrubs (450 mm - 600 mm) con	Ea		42
	Cotoneaster apiculatus (Cranberry Cotoneaster)		42	
621.552	Deciduous Shrubs (900 mm - 1200 mm) con			280
	Syringa vulgaris alba (Common White lilac)		39	
	Hydrangea paniculata grandiflora (P.G. Hydrangea)		19	
	Spirea n. Snowmound (Snowmound Spirea)		21	
	Viburnum carlesi (Mayflower viburnum)		17	
	Weigela f. Polka (Polka Weigela)		39	
	Ilex verticillata (Winterberry)		40	
	Cornus sericea (Redtwig Dogwood)		40	
	Viburnum d (Arrowwood Viburnum)		40	
	Clethra a. Compacta (Dwarf Clethra)		25	
621.80	Establishment Period	LS	1	1



SPECIAL PROVISION  
SECTION 635  
PREFABRICATED GRAVITY RETAINING WALL  
(Prefabricated Concrete Block Gravity Wall)

The following replaces Section 635 in the Standard Specifications:

Description. This work shall consist of the design and construction of a prefabricated concrete block gravity wall in accordance with these specifications and in reasonably close conformance with the lines and grades shown on the plans, or established by the Engineer. Blocks shall be made of wet cast concrete made from Portland cement, water, chemical admixtures, and aggregates.

Included in the scope of the prefabricated gravity wall construction are: geotechnical design of any wall with a maximum height greater than 1.8 meters (6 feet) or as specified on the wall detail sheet, all grading necessary for wall construction, compaction of the wall foundation, backfill, piped drainage, construction of leveling pads, and block wall installation.

The prefabricated gravity wall design shall follow the general dimensions of the wall envelope shown in the contract plans. The minimum wall embedment shall be at or below the elevation shown on the plans or as specified by the designer. The top of the upper row of blocks shall be at or above the top of the face elevation shown on the plans.

The Contractor shall require the design-supplier to supply an on-site, qualified experienced technical representative to advise the Contractor concerning proper installation procedures. The technical representative shall be on-site during initial stages of installation and thereafter shall remain available for consultation as necessary for the Contractor or as required by the Engineer. The work done by this representative is incidental to the construction of the wall.

**MATERIALS**

Materials. Materials shall meet the requirements of the following subsections of Division 700 - Materials:

Aggregate for crushed stone surface	703.12
Gravel Borrow	703.20
Underdrain Pipe	706.06

The Contractor is cautioned that all of the materials listed are not required for every prefabricated concrete block gravity wall. The Contractor shall furnish the Engineer a Certificate of Compliance certifying that the applicable materials comply with this section of the specifications. Materials shall meet the following additional requirements:

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Concrete Units. Materials shall conform to the requirements of Supplemental Specification Section 502 Structural Concrete Class A except that the requirements for Chloride Permeability shall not apply

- A. The minimum 28 day compressive strength requirement shall be 30 MPa (4350 psi) for any individual unit and 31.7 MPa (4600 psi) for the average of 3 units
- B. Unit Depth - 1040 mm (41 inches), minimum for an unreinforced wall, or 710 mm (28 inches) minimum for a geogrid reinforced wall.
- C. Unit Width - 1160 mm (46 inches), minimum at the face
- D. Unit Height - 450 mm (18 inches), minimum at the face for a standard block
- E. Tolerances - formed dimensions shall not vary more than 2 mm (1/16") from the Manufacturer's published tolerances.
- F. Face Texture - split, formed, or smooth face
- G. Face Geometry - straight or beveled.
- H. Color - pigment shall be added during the casting process of the segmental unit to achieve a consistent shade of gray or other color as determined by the Engineer.
- I. Imperfections - All units shall be sound and free of cracks or other defects that would interfere with the proper placing of each unit or significantly impair the strength or performance of the construction. Minor cracks (e.g. no greater than 0.5 mm (0.02 inches) in width and no longer than 25% of the unit height) incidental to the method of manufacture or minor chipping resultant from shipment and delivery, are not grounds for rejection.

Exposed surfaces of units shall be free of chips, cracks or other imperfections when viewed from a distance of 3 meters (10 feet) under diffused lighting.

- J. Cap Units - cap units shall be cast to or attached to the gravity wall units in strict accordance with the manufacturer's requirements and the adhesive manufacturer's recommended procedures.
- J. Other Constituents – air entraining agents, coloring pigments, integral water repellents, pozzolans, and other constituents shall be previously established as suitable for use in segmental concrete retaining wall units and shall conform to applicable AASHTO standards or, shall be shown by test or experience to be not detrimental to the appearance or durability of the segmental concrete units or any material customarily used in retaining wall construction.

Geogrid Reinforcing. The structural geogrid reinforcing shall meet the following requirements:

- A. The geogrids shall be a regular polymeric grid structure of select high density polyethylene (HDPE), polypropylene (PP), or polyester (PET) resin manufactured by Tensar, Huesker, Strata Systems, Mirafi, or approved equal.
- B. The geogrid shall conform to the following criteria:
  - B1. PP and HDPE: Minimum retained strength of 70 % after 150 hours, per ASTM D-4355.
  - B2. HDPE: Grade = E-4, E-5, E-8, E-9, E-10, E-11, J-3, J-4, J-5, P-24, or P-34, per ASTM D-1248.
  - B3. PET: Molecular weight ( $M_n$ ) > 25,000 g/mole, Inherent Viscosity Method per ASTM D-4603, with Correlation or Determined Directly Using Gel Permeation Chromatography.
  - B4. PET: Carboxyl end group (CEG) < 30 meg/kg, GRI:GG7
  - B5. All polymers: Minimum Weight per Unit Area of 270 g/m<sup>2</sup>, per ASTM D-5261
  - B6. A default total reduction factor for creep, durability, and installation damage of 7 may be used in design, provided the criteria of B2 through B5 and B1 is adjusted to 70% after 500 hours is satisfied.
- C. The Long Term Tensile Strength ( $T_{al}$ ) of the geogrid shall be determined by reducing the Ultimate Strength ( $T_u$ ), as determined using ASTM 4595 or GRI:GG1, by the product of the reduction factors for durability, installation damage, and creep, denoted  $RF_D$ ,  $RF_{ID}$ , and,  $RF_{CR}$ , respectively. The required tests used to determine the reduction factors, minimum value to be used in design if test value is less than minimum, and maximum value to be used in design in the absence of test data are summarized below.

Reduction Factor	Test	Minimum/Maximum
Durability ( $RF_D$ )	HDPE and PP: ASTM D4355 PET: GRI:GG7	1.1/2.0
Installation Damage( $RF_{ID}$ )	Site installation damaged tests, similar to ASTM D-5818	1.1/3.0
Creep( $RF_{CR}$ )	ASTM D-5262	HDPE = 2.5/5.0 PP = 4.0/5.0 PET = 2.0/2.5

- D. The pullout resistance factors,  $F^*$  and  $\alpha$ , used in pullout design, shall be determined for the proposed reinforcement and wall system, with soil similar to the specified backfill material of this Section. The pullout resistance factors shall be determined in accordance with Appendix A of FHWA SA-96-071

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"Mechanical Stabilized Earth Walls and Reinforced Soil Slopes Design and Construction Guidelines." In the absence of test data, empirical relationships may be used to determine the pullout resistance factors, any empirical relationships used in design shall be referenced in the design calculations.

- E. Long-term connection strength between the geogrid reinforcement and the modular blocks shall be checked, per AASHTO-Standard Specifications for Highway Bridges, Section 5.8.
- F. The Contractor shall submit a Manufacturer's Certificate, which shall state that the furnished geogrid(s) meets the requirements of this Section, as evaluated by the manufacturer's quality control program. Included with the certificates, shall be the design parameters and required properties referenced in this Section. The certificates shall be attested to by a person having legal authority to bond the manufacturer. In case of dispute over validity of values, the Engineer can require the Contractor to supply test data from a Department approved laboratory to support the certified values submitted.

Concrete Leveling Pad. Concrete shall be Class A conforming to the requirements of Section 502 Structural Concrete. Unless otherwise specified, concrete for leveling pads shall be accepted under Method "C" requirements, except that the requirements for Chloride Permeability shall not apply.

Backfill and Bedding Material. Bedding and backfill material placed behind the reinforced concrete modules shall be gravel borrow conforming to the requirements of Subsection 703.20. If sand is used for backfill, the backfill materials shall conform to the following additional requirements: the plasticity index (P.I.) as determined by AASHTO T90 shall not exceed 6. Material between blocks must be gravel borrow as above or crushed stone meeting the requirements of Subsection 703.12. I

f sand is used between blocks, geotextile shall be placed behind vertical joints to prevent loss of granular material between blocks. Compliance with the gradation and plasticity requirements shall be the responsibility of the Contractor, who shall furnish a copy of the backfill test results prior to construction. If crushed stone is used between blocks no geotextile is required behind vertical joints.

The backfilling between wall units and behind the wall shall progress simultaneously. The material shall be placed in layers not over 200 mm [8 inches] in depth, loose measure, and thoroughly compacted by mechanical or vibratory compactors. Puddling for compaction will not be allowed.

Concrete Step Units shall be supplied by the same supplier as the block units and shall conform to Sections A through M above.

Sampling and Testing. Sampling frequency for Compressive Strength, and Entrained Air shall be at the rate of one test per 50 c.y. The department will take verification

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tests a minimum of once per project or at times deemed appropriate by the resident. Verification testing shall include Compressive Strength and Air Content.

Materials Certificate Letter. The Contractor, or the supplier as his agent, shall furnish the Engineer a Materials Certificate Letter for the above materials, including the backfill material, in accordance with Section 700 of the Standard Specifications. A copy of all test results performed by the Contractor or his supplier necessary to assure contract compliance shall also be furnished to the Engineer. The Engineer will base acceptance upon the materials Certificate Letter, accompanying test reports, and visual inspection.

## DESIGN REQUIREMENTS

Design Requirements. The Prefabricated Concrete Block Gravity Wall shall be designed by a Professional Engineer registered in the State of Maine. The design to be performed by the wall system supplier shall be in accordance with AASHTO Standard Specifications for Highway Bridges, current edition, except as required herein. Thirty days prior to beginning construction of the wall, the design computations shall be submitted to the Engineer for review by the Department. The design by the wall system supplier shall consider the stability of the wall as outlined below:

(a) Safety Factors. The minimum factors of safety shall be as follows:

- |                                               |     |
|-----------------------------------------------|-----|
| 1. Overturning:                               | 2.0 |
| 2. Sliding:                                   | 1.5 |
| 3. Stability of temporary construction slope: | 1.2 |
| 4. Ultimate bearing capacity:                 | 2.0 |
| 5. Reinforcement pullout                      | 1.5 |

(b) Backfill and Wall Unit Soil Parameters. For overturning and sliding stability calculations, earth pressure shall be assumed acting on a vertical plane dropping from the back of the highest wall block. Stability shall also be calculated at each level within the wall.

These unit weights and friction angles are based on a wall unit backfill meeting the requirements for select backfill in this specification. Backfill behind the wall units and reinforced fill zone shall be assumed to have a unit weight of 1922 kg/m<sup>3</sup> [120 pcf] and a friction angle of 30 degrees. The friction angle of the foundation soils shall be assumed to be 30 degrees unless otherwise noted on the plans. The friction angle of the select backfill used in the reinforced fill zone for internal stability design of the wall shall be assumed to be 34° unless noted otherwise on the plans.

(d) External loads which affect the internal stability such as those applied through traffic, slope surcharge, hydrostatic and seismic loads shall be accounted for in the design.

- (e) The actual applied bearing pressures under the prefabricated concrete block gravity wall shall be clearly indicated on the design drawings.
- (f) Stability during Construction. The factors of safety to be used for stability during construction stages shall be the same factors used for the design of the wall.
- (g) Hydrostatic forces. Unless specified otherwise, when a design high water surface is shown on the plans at the face of the wall, the design stresses calculated from that elevation to the bottom of wall must include a 0.9 meter [3 foot] minimum differential head of saturated backfill.
- (h) Design Life. Design life shall be in accordance with AASHTO requirements.
- (i) Depth of embedment. Depth of embedment required for frost protection and stability shall be shown on the plans supplied by the designer. Minimum embedment depth shall be 300 mm for a non-critical wall.
- (j) Drainage system. Piped drainage shall be designed to collect and dispose of water from the base of the reinforced soil zone and the backfill. This shall outlet into surrounding drainage systems or ditches.

Submittals. The Contractor shall supply wall design computations, wall details, dimensions, quantities, and cross sections necessary to construct the wall. Thirty days prior to beginning construction of the wall, the design computations and wall details shall be submitted to the Engineer for review. Mix design information shall be submitted including aggregate source, current gradation, aggregate quality information and concrete unit weight. If geotechnical design is required, the fully detailed plans shall be prepared in conformance with Subsection 105.7 of the Standard Specifications and shall include, but not be limited to the following items:

- I. A plan and elevation sheet or sheets for each wall, containing the following: elevations at the top of leveling pads, the distance along the face of the wall to all steps in the leveling pads, the location of the original and final ground line.
- II. All details for foundations and leveling pads, including details for steps in the leveling pads, as well as allowable and actual maximum bearing pressures shall be provided.
- III. The wall plans shall be prepared and stamped by a Professional Engineer. Four sets of design drawings and detail design computations shall be submitted to the Engineer.
- IV. Prior to the beginning of construction, the contractor shall supply the Engineer with two copies of the design-supplier's Installation Manual. In addition, the Contractor shall have two copies of the Installation Manual on the project site.

## **CONSTRUCTION REQUIREMENTS**

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Excavation. The excavation and use as fill disposal of all excavated material shall meet the requirements of Section 203 -- Excavation and Embankment, except as modified herein.

Foundation. The area upon which the prefabricated block gravity wall structure is to rest, and within the limits shown on the submitted plans, shall be graded for a width equal to, or exceeding, the length of the blocks. Prior to wall and leveling pad construction, this foundation material shall be compacted to at least 95 percent of maximum laboratory dry density. Frozen and unsuitable soil shall be removed and replaced.

A concrete leveling pad shall be constructed as indicated on the plans. Dimensions may be modified per the wall supplier's recommendations, with written approval of the Resident Engineer. The leveling pad shall be cast to the design elevations as shown on the plans, or as required by the wall supplier upon written approval of the Resident Engineer. Allowable elevation tolerances are +3 mm [+0.01 foot] and -6 mm [-0.02 foot] from the design elevations. Leveling pads which do not meet this requirement shall be repaired or replaced as directed by the Engineer at no additional cost to the Department. Placement of wall units may begin after the strength of the concrete leveling pad reaches 20,700 kPa (3000 psi) or 80% of design strength.

Method and Equipment. Prior to erection of the prefabricated concrete block wall, the Contractor shall furnish the Engineer with detailed information concerning the proposed construction method and equipment to be used. The erection procedure shall be in accordance with the manufacturer's instructions. Any units that are damaged due to handling will be replaced at the Contractor's expense.

Installation of Wall Units. A field representative from the wall system being used shall be available, as needed, during the erection of the wall. The services of the representative shall be at no additional cost to the project. Horizontal joint fillers shall be installed as needed.

The maximum offset in any unit joint shall be 20 mm [3/4 inch]. The overall vertical tolerance of the wall, plumb from top to bottom, shall not exceed 12 mm per 3 m [1/2 inch per 10 feet] of wall height. The prefabricated wall blocks shall be installed to a tolerance of plus or minus 20 mm in 3 m [3/4 inch in 10 feet] in vertical alignment and horizontal alignment.

Select Backfill Placement. Backfill placement shall closely follow the erection of each row of prefabricated wall units. The Contractor shall decrease the lift thickness if necessary to obtain the specified density. The maximum lift thickness shall be 200 mm [8 inches] (loose). Gravel borrow backfill shall be compacted in accordance with Subsection 203.12 except that the minimum required compaction shall be 95 percent of maximum density as determined by AASHTO T99 Method C or D. Backfill compaction shall be accomplished without disturbance or displacement of the wall blocks. Sheepfoot rollers will not be allowed. Whenever a compaction test fails, no additional backfill shall be placed over the area until the lift is recompacted and a passing test achieved.

The moisture content of the backfill material prior to and during compaction shall be uniform throughout each layer. Backfill material shall have a placement moisture content less than or equal to the optimum moisture content. Backfill material with a placement moisture content in excess of the optimum moisture content shall be removed and reworked until the moisture content is uniform and acceptable throughout the entire lift. The optimum moisture content shall be determined in accordance with AASHTO T99, Method C or D. At the end of the day's operations, the Contractor shall shape the last level of backfill so as to direct runoff of rain water away from the wall face.

Method of Measurement. Prefabricated Modular Gravity Wall will be measured by the square meter of front surface not to exceed the dimensions shown on the contract plans unless authorized by the Resident Engineer. Vertical and horizontal dimensions will be from the all edges of the blocks. No field measurements for computations will be made unless the Resident Engineer specifies, in writing, a change in the limits indicated on the plans.

Basis of Payment. The accepted quantity of Prefabricated Modular Gravity Retaining Wall will be paid for at the contract unit price per square meter complete in place. Payment shall be full compensation for furnishing the geotechnical design as required, all labor, equipment and materials including precast concrete units, hardware, joint fillers, woven geotextile, geogrid, drainage pipe, and technical field representative. Cost of cast-in-place concrete for leveling pad will not be paid for separately, but will be considered incidental to the Prefabricated Modular Gravity Wall.

Excavation, foundation material and backfill material will all be incidental to the Prefabricated Modular Gravity Wall.

There will be no allowance for excavating and backfilling for the Prefabricated Modular Gravity Wall beyond the limits shown on the approved submitted plans, except for excavation required to remove unsuitable subsoil in preparation for the foundation. Payment for excavating unsuitable subsoil shall be full compensation for all costs of pumping, drainage, sheeting, bracing and incidentals for proper execution of the work.

Payment will be made under:

Pay Item	Pay Unit
635.31 Prefabricated Concrete Block Gravity Wall	Square Meter



SPECIAL PROVISION  
SECTION 652  
MAINTENANCE OF TRAFFIC

Approaches. Approach signing shall include the following signs shown on the Standard Maintenance of Traffic in Construction Zones for "Project Approach Signing - Two Way Traffic".

- Road Work Ahead
- Road Work 1000 Feet
- Road Work 500 Feet with 25 MPH Advisory Speed Plate
- End Road Work

Work Areas. At each work site, signs and channelizing devices as shown on the Standard Maintenance of Traffic in Construction Zones shall be used as directed by the Resident.

Signs include:

- End Work Zone Speed
- Work Zone
- Speed Limit Plate
- Fines Double
- Work Area Ahead with 25 MPH Advisory Speed Plate
- Work Area Ahead
- One Lane Road Ahead
- Flagger Sign
- Trucks Entering
- Be Prepared to Stop

Other typical signs include:

- Pavement Ends
- Sidewalk Closed
- Sidewalk Closed Use Other Side
- Pedestrians Pass at Own Risk
- Low Shoulder
- Directional Arrows
- Bump

The above lists of Approach signs and Work Area signs are representative of the contract requirements. Other sign legends may be required.

The Contractor shall provide a minimum roadway width of 7 m [22 feet] for two way traffic whenever possible and at all times when the Contractor is not working. Where one way traffic is approved by the Resident it shall be controlled through work areas by flaggers and the minimum roadway width shall be 3.5 m [11 feet]. Flaggers equipped with radios, field telephones or other means of direct communication shall be used to control one way traffic during paving operations and at other times when directed by the Resident.

Aggregate subbase course shall be placed as soon as possible after excavation and acceptance of the subgrade, and the "torn up" area left overnight between the beginning of the excavation and the complete aggregate subbase course shall not exceed 15 m [50 feet].

Channelization. Channelization devices shall include the following:

- Type I Barricades
- Type II Barricades
- Vertical Panel Markers
- Drums
- Cones

Channelization devices shall be installed and maintained at the spacing determined by the MUTCD through the work area.

Channelizing devices consisting of drums or barricades at a maximum spacing of 15 m [50 feet] shall be used in guardrail areas when neither the existing guardrail nor the new guardrail is in place.

Paving. When paving operations or shoulder grading leave a 75 mm [3 inch] or less exposed vertical face at the edge of the traveled way, channelizing devices shall be placed two feet outside the edge of pavement at intervals not exceeding 200 m [600 feet] and a 1200 mm x 1200 mm [48 inch x 48 inch] W8-9 Low Shoulder sign shall be placed at a maximum spacing of 0.8 km [1/2 mile].

When paving operations leave more than a three inch exposed vertical face at the edge of a traveled way, the Contractor shall place shoulder material for a width of at least four feet to meet the pavement grade and place channelizing devices as above before the lane is opened to traffic.

Temporary Centerline. A temporary centerline of reflectorized traffic paint shall be marked each day on all new pavement to be used by traffic. The temporary centerline shall conform to the standard markings patterns used for permanent markings and will be paid for under Pay Item 627.76.

Failure to apply a temporary centerline daily will result in suspension of paving until temporary markings are applied to all previously placed pavement.

Roadside Recovery Area. The Contractor shall not store material nor park equipment within 3 m [10 feet] of the edge of the established travel lanes and equipment parked overnight within 7.5 m [25 feet] of the edge of a travel lane shall be clearly marked by channelizing devices or other reflective devices.

Speed Limits in Work Zone. The Contractor shall sign all approved reduced speed limits on construction projects according to APM #431 - A Policy on the Establishment of Speed Limits in Work Zones.

**SPECIAL PROVISION**  
**SECTION 656**  
Temporary Soil Erosion and Water Pollution Control

The following is added to Section 656 regarding Project Specific Information and Requirements. All references to the Maine Department of Transportation Best Management Practices for Erosion and Sediment Control (a.k.a. Best Management Practices manual or BMP Manual) are a reference to the latest revision of said manual. The "Table of Contents" of the latest version is dated "1/19/00" (available at <http://www.state.me.us/mdot/mainhtml/bmp/bmpjan2000.pdf>.)

**Procedures specified shall be according to the BMP Manual unless stated otherwise.**

**Project Specific Information and Requirements**

The following information and requirements apply specifically to this Project. The temporary soil erosion and water pollution control measures associated with this work shall be addressed in the SEWPCP.

1. This project is located within the Sandy River watershed, which is listed as a Class B water resource along this particular stretch of the river. The project is **NOT SENSITIVE** as defined by the MDOT BMP Manual, but due to the proximity to the resource, strict erosion and sediment controls are necessary.
2. A preconstruction field review is mandatory for this project. The preconstruction field review shall take place before commencing any work that involves soil disturbance or potential impacts on water quality. The date and time shall be set by the Contractor in consultation with the Construction Manager and ENV Water Resources Unit representative.
3. Newly disturbed earth shall be mulched by the end of each workday. Mulch shall be maintained on a daily basis.
4. Permanent seeding shall be done in accordance with *Standard Specification, Section 618 - Seeding* unless the Contract states otherwise.
5. All disturbed ditches shall be stabilized by the end of each workday. Stabilization shall be maintained on a daily basis. Erosion control blanket shall be installed in the bottoms of all ditches except where a stone lining is planned. Seed shall be applied prior to the placement of the blanket.
6. The contractors SEWPCP shall address specifics associated with any in-stream work locations. Items to be addressed shall include the following; type and location of cofferdams and sedimentation basins, method of maintaining stream flow, and timing of work to comply with in-stream work windows.
7. Culvert inlet and outlet protection shall be installed within 48 hours of culvert installation, or prior to a storm event, whichever is sooner.
8. The SEWPCP shall describe the location and method of temporary erosion and sediment control for existing and proposed catch basins, outlet areas and culvert inlets and outlets.
9. Dust control items other than those under *Standard Specification, Section 637 - Dust Control*, if applicable, shall be included in the plan.

**SPECIAL PROVISION**  
**SECTION 656**

Temporary Soil Erosion and Water Pollution Control

10. Permanent seeding shall be done in accordance with *Standard Specification, Section 618 - Seeding* unless the Contract states otherwise.
11. After November 1 the Contractor shall use winter stabilization methods, such as Erosion Control Mix as specified in *Standard Specification, Section 619 - Mulch*. If required, spring procedures for permanent stabilization shall also be described in the plan. Use of this product for over-winter temporary erosion control will be incidental to the contract and be paid for as part of Pay Item 656.75.

**NOTES:**

1. Any and all references to “bark mulch” or “composted bark mix” shall be a reference to “Erosion Control Mix” in accordance with *Standard Specification, Section 619 - Mulch*.

# Permits & Cultural Resources Unit

PIN #: 9179.00      Location: Farmington      Permit Member: Rhonda Poirier  
 Photographs ☐      Database/Projex ☒      Package to ENV Coordinator:

## ☒ HISTORIC AND CULTURAL RESOURCES

MHPC Historic Resources	N/A <input type="checkbox"/>	Applicable <input checked="" type="checkbox"/>	Approved <input checked="" type="checkbox"/>	MOA <input type="checkbox"/>
MHPC Archeological Resources	N/A <input type="checkbox"/>	Applicable <input checked="" type="checkbox"/>	Approved <input checked="" type="checkbox"/>	MOA <input type="checkbox"/>
Tribal Consultation	N/A <input checked="" type="checkbox"/>	Applicable <input type="checkbox"/>	Approved <input type="checkbox"/>	

## ☒ 4(f) and 6(f)

Section 4(f)	N/A <input checked="" type="checkbox"/>	Applicable <input type="checkbox"/>	Approved <input type="checkbox"/>
LAWCON 6(f)	N/A <input checked="" type="checkbox"/>	Applicable <input type="checkbox"/>	Approved <input type="checkbox"/>

## ☒ FEMA

N/A <input type="checkbox"/>	Applicable <input checked="" type="checkbox"/>	Approved <input type="checkbox"/>
------------------------------	------------------------------------------------	-----------------------------------

## ☒ Maine Department of Environmental Protection (MDEP) Site Location of Development

N/A <input checked="" type="checkbox"/>	Applicable <input type="checkbox"/>	Approved <input type="checkbox"/>
-----------------------------------------	-------------------------------------	-----------------------------------

## ☒ Local Zoning, Title 30-A, Section 4352-6.

Is the project something other than the highway and bridge system, such as a maintenance lot, building/parking facility? Yes

☐ No ☒. If no, the project is exempt.

If yes, continue. Does the town in which the project is located have a comprehensive plan consistent with the Growth Management Program? Yes ☐ No ☐. If no, the project is exempt.

If yes, local zoning ordinances and/or permits are needed.      Approved ☐

## ☒ Maine Department of Inland Fisheries and Wildlife (MDIFW) Essential Habitat

Eagle Nest	N/A <input checked="" type="checkbox"/>	Applicable <input type="checkbox"/>	Approved <input type="checkbox"/>
Piping Plover	N/A <input checked="" type="checkbox"/>	Applicable <input type="checkbox"/>	Approved <input type="checkbox"/>
Roseate Tern	N/A <input checked="" type="checkbox"/>	Applicable <input type="checkbox"/>	Approved <input type="checkbox"/>

## ☒ United States Fish and Wildlife Service (USFWS), Migratory Bird Act

N/A <input checked="" type="checkbox"/>	Applicable <input type="checkbox"/>
-----------------------------------------	-------------------------------------

## ☒ Maine Department of Conservation/ Public Lands, Submerged Land Lease

N/A <input checked="" type="checkbox"/>	Applicable <input type="checkbox"/>
-----------------------------------------	-------------------------------------

## ☒ Land Use Regulation Commission (LURC) ☒ Not Applicable

No permit	<input type="checkbox"/>	
Notice	<input type="checkbox"/>	Approved <input type="checkbox"/>
Permit	<input type="checkbox"/>	Approved <input type="checkbox"/>

## ☒ Maine Department of Environmental Protection (MDEP), Natural Resource Protection Act

No permit required	<input type="checkbox"/>	
Exempt	<input type="checkbox"/>	(Must use erosion and sediment control and not block fish passage.)
PBR	<input checked="" type="checkbox"/>	Approved <input type="checkbox"/>
Tier 1	<input type="checkbox"/>	Approved <input type="checkbox"/>
Tier 2	<input type="checkbox"/>	Approved <input type="checkbox"/>
Tier 3	<input type="checkbox"/>	Approved <input type="checkbox"/>

## ☒ Army Corps of Engineers (ACOE), Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act.

No permit required	<input type="checkbox"/>	
Category 1-NR	<input checked="" type="checkbox"/>	Approved <input checked="" type="checkbox"/>
Category 2	<input type="checkbox"/>	Approved <input type="checkbox"/>
Category 3	<input type="checkbox"/>	Approved <input type="checkbox"/>

## ☒ IN-WATER TIMING RESTRICTIONS: 105 Special Provision ☒ n/a ☐

Dates instream work is allowed: July 15 to September 30<sup>th</sup>.

## ☒ Special Provision 656, Erosion Control Plan

\* Boxes marked in red indicate items that are attached and need to be placed in the contract by the Project Manager.



DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP)  
**PERMIT BY RULE NOTIFICATION FORM**  
(For use with DEP Regulation, Chapter 305)

■ MDOT PIN: 9179.00

Name of Applicant: State of Maine Department of Transportation      Name of Contact: David Gardner  
Mailing Address: 16 Station State House      Town/City: Augusta      State: Me.      Zip Code: 04330-0016  
Daytime Telephone #: (207)-624-3105      Name of Wetland, Water Body or Stream: unnamed streams

**Detailed Directions to Site:** From Augusta, take Route 27 to Farmington. Stay on Routes 4 and 27 in Farmington. The project begins at Belcher Street and extends 1.9 miles northerly. The first stream culvert is about 1.7 miles north of Belcher St.

Town/City: Farmington      Map #: N/A      Lot #: N/A      County: Franklin

**Description of Project:** This is a highway improvement project which includes four stream culvert replacements that do not meet the 75' exemption criteria. The project will be performed in accordance with erosion control measures conforming with the latest versions of the *State of Maine Department of Transportation Standard Specifications for Highways and Bridges* and the *Department of Transportation's Best Management Practices for Erosion and Sediment Control*.

**Part of a larger project?**      ☐ Yes      ☒ No

(CHECK ONE) This project... ☒ does      ☐ does not ...involve work below mean low water.

I am filing notice of my intent to carry out work which meets the requirements for Permit By Rule (PBR) under DEP Regulation, Chapter 305. I have a copy of PBR Sections checked below. I have read and will comply with all of the standards.

- |                                                                   |                                                                                   |                                                               |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------|
| <input type="checkbox"/> Sec. (2) Soil Disturbance                | <input type="checkbox"/> Sec. (8) Shoreline stabilization                         | <input type="checkbox"/> Sec. (14) Piers, Wharves & Pilings   |
| <input type="checkbox"/> Sec. (3) Intake Pipes                    | <input type="checkbox"/> Sec. (9) Utility Crossing                                | <input type="checkbox"/> Sec. (15) Public Boat Ramps          |
| <input type="checkbox"/> Sec. (4) Replacement of Structures       | <input type="checkbox"/> Sec. (10) Stream Crossing                                | <input type="checkbox"/> Sec. (16) Coastal Sand Dune Projects |
| <input type="checkbox"/> Sec. (5) REPEALED                        | <input checked="" type="checkbox"/> Sec. (11) State Transport. Facilities         | <input type="checkbox"/> Sec. (17) Transfers/Permit Extension |
| <input type="checkbox"/> Sec. (6) Movement of Rocks or Vegetation | <input type="checkbox"/> Sec. (12) Restoration of Natural Areas                   | <input type="checkbox"/> Sec. (18) Maintenance Dredging       |
| <input type="checkbox"/> Sec. (7) Outfall Pipes                   | <input type="checkbox"/> Sec. (13) F&W Creation/Enhance/Water Quality Improvement |                                                               |

I authorize staff of the Departments of Environmental Protection, Inland Fisheries & Wildlife, and Marine Resources to access the project site for the purpose of determining compliance with the rules. I also understand that **this permit is not valid until approved by the Department or 14 days after receipt by the Department, whichever is less.**

I have attached all of the following required submittals. **NOTIFICATION FORMS CANNOT BE ACCEPTED WITHOUT THE NECESSARY ATTACHMENTS:**

- A \$50 (non-refundable) payment shall be done by internal billing.
- Attach a U.S.G.S. topo map or Maine Atlas & Gazetteer map with the project site clearly marked.
- ☐ Attach photographs showing existing site conditions (unless not required under standards).

Signature of Applicant: \_\_\_\_\_

John E. Dority, Chief Engineer

Date: 10/22/03

Keep the bottom copy as a record of permit. Send the form with attachments via certified mail to the Maine Dept. of Environmental Protection **at the appropriate regional office listed below.** The DEP will send a copy to the Town Office as evidence of the DEP's receipt of notification. No further authorization by DEP will be issued after receipt of notice. Permits are valid for two years. **Work carried out in violation of any standard is subject to enforcement action.**

AUGUSTA DEP STATE HOUSE STATION 17 AUGUSTA, ME 04333-0017 (207)287-2111      PORTLAND DEP 312 CANCO ROAD PORTLAND, ME 04103 (207)822-6300      BANGOR DEP 106 HOGAN ROAD BANGOR, ME 04401 (207)941-4570      PRESQUE ISLE DEP 1235 CENTRAL DRIVE PRESQUE ISLE, ME 04769 (207)764-0477

OFFICE USE ONLY  
PBR #      FP

Ck.#

Date

Staff

Acc. Date

Staff

Def. Date

After Photos

**Chapter 305: PERMIT BY RULE Section 11**  
**State Transportation Facilities**

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- 1. Introduction.** A "permit by rule" or "PBR", when approved by the Department of Environmental Protection (DEP), is an approval for an activity that requires a permit under the Natural Resources Protection Act (NRPA). Only those activities described in this chapter may proceed under the PBR process. A PBR activity will not significantly affect the environment if carried out in accordance with this chapter, and generally has less of an impact on the environment than an activity requiring an individual permit. A PBR satisfies the Natural Resources Protection Act (NRPA) permit requirement and Water Quality Certification requirement.

If a proposed activity is not described in this chapter, or will not be conducted in accordance with the standards of this chapter, the applicant must obtain an individual permit prior to beginning the activity.

- A. Location of activity.** The location of an activity may affect whether an activity qualifies for PBR, and whether review by the Department of Inland Fisheries and Wildlife is required.

- (1) Type of resource. For some types of activities, the availability of a PBR is affected by the type of natural resource in or adjacent to which the activity is proposed. For example, an applicant proposing an activity consisting of "Movement of rocks or vegetation" may receive a PBR only if the activity will take place in a great pond, river, stream or brook. Limitations concerning the location of activities are addressed in the "Applicability" provision in each section of this chapter.
- (2) Essential habitat. Essential habitats include areas critical to the survival of threatened and endangered species such as the bald eagle, least tern, roseate tern, and piping plover. If the activity is located in essential habitat, such as near an eagle nesting site, a PBR is only available if the applicant obtains written approval from the Department of Inland Fisheries and Wildlife (IF&W). This approval from IF&W must be submitted to the DEP with the PBR notification form, and the applicant must follow any conditions stated in the IF&W approval.

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NOTE: Maps showing areas of essential habitat are available from the Department of Inland Fisheries and Wildlife regional headquarters, municipal offices, the Land Use Regulation Commission (for unorganized territories) and DEP regional offices. If the activity is located in essential habitat, IF&W must be contacted to request and obtain a "certification of review and approval".

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- B. Notification.** The applicant must file notice of the activity with the DEP prior to beginning work on the activity. The notification must be on a form provided by the DEP and must include any submissions required in this chapter. The applicant must keep a copy to serve as the permit.

The notification form must be sent to the DEP by certified mail (return receipt requested), or hand delivered to the DEP and date stamped by the department.



### C. Effective period

- (1) Beginning of period. The PBR becomes effective 14 calendar days after the DEP receives the notification form, unless the DEP approves or denies the PBR prior to that date. If the DEP does not speak with or write to the applicant within this 14 day period regarding the PBR notification, the applicant may proceed to carry out the activity.

There are three exceptions regarding the effective date of an approved PBR:

- (a) Activities listed in Section 10 (Stream crossings) occurring in association with forest management are exempt from the 14 day waiting period.
- (b) Activities listed in Section 2 (Soil disturbance) and Section 10 (Stream crossings) performed or supervised by individuals currently certified in erosion control practices by the DEP are exempt from the 14 day waiting period. To be certified in erosion control practices, an individual must successfully complete all course requirements of the Voluntary Contractor Certification Program administered by the DEP's Nonpoint Source Training and Resource Center.
- (c) Activities that are part of a larger project requiring a permit under the Site Location of Development or the Storm Water Management Acts may not proceed until any required permit under those laws is obtained.

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NOTE: Activities that are part of a larger project may require other permits from the DEP also. These other laws may prohibit the start of construction of any part of the project unless a permit under that law is obtained. In these cases, while not a violation of this rule, starting work on a PBR approved activity would be a violation of those other applicable laws.

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- (2) End of period. The PBR is generally effective for 2 years from the date of approval, except that a PBR for "Replacement of structures" under Section 4 is effective for 3 years.

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NOTE: Activities that qualify under this chapter may need to meet other local, state and federal requirements. Examples -- (1) If an activity extends below the low water line of a lake, coastal wetland or international boundary water, the applicant should contact the Bureau of Parks and Lands (287-3061) concerning possible lease or easement requirements, or (2) If an activity will involve work below the mean high water line in navigable waters of the United States, the applicant should contact the Army Corps of Engineers (623-8367).

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**D. Discretionary authority.** Notwithstanding compliance with the PBR applicability requirements and standards set forth in this chapter, the DEP may require an individual permit application to be filed in any case where credible evidence indicates that the activity:

- (1) May violate the standards of the NRPA (38 M.R.S.A. Section 480-D);
- (2) Could lead to significant environmental impacts, including cumulative impacts; or
- (3) Could adversely impact a resource of special concern.

If an individual permit is required pursuant to this subsection, the DEP shall notify the applicant in writing within the 14 calendar day waiting period described in sub-section (C) above. When the DEP notifies an applicant that an individual permit is required, no work may be conducted unless and until the individual permit is obtained.

**E. Violations.** A violation of law occurs when a person, or his or her agent, performs or causes to be performed any activity subject to the NRPA without first obtaining a permit from the DEP, or acts contrary to the provisions of a permit. The person, his or her agent, or both, may be held responsible for the violation. Commonly, the "person" is the landowner, and the "agent" is the contractor carrying out the activity. A violation occurs when:

- (1) An activity occurs that is not allowed under PBR, whether or not a PBR notification form has been filed with and/or approved by the DEP;
- (2) An activity occurs that is allowed under PBR, but a PBR for the activity has not become effective prior to the beginning of the activity; or
- (3) An activity occurs that is allowed under PBR and a PBR for the activity is in effect, but the standards specified in this chapter are not met.

See the "applicability" provision under each activity for rules concerning what activities are allowed under PBR. A PBR is only valid for the person listed on the notification form, or for his or her agent.

Each day that a violation occurs or continues is considered a separate offense. Violations are subject to criminal penalties and civil penalties of not less than \$100 nor more than \$10,000 for each day of that violation (38 M.R.S.A. Section 349).

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NOTE: A local Code Enforcement Officer (CEO) may take enforcement action for a violation of the Natural Resources Protection Act if he or she is authorized to represent a municipality in District Court, and he or she has been certified as familiar with court procedures, 30-A M.R.S.A. Section 4452(7).

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**Chapter 305 Section 11****State transportation facilities****A. Applicability**

- (1) This section applies to the maintenance, repair, reconstruction, rehabilitation, replacement or minor construction of a State Transportation Facility carried out by, or under the authority of, the Maine Department of Transportation or the Maine Turnpike Authority, including any testing or preconstruction engineering, and associated technical support services.
- (2) This section does not apply to an activity within a coastal sand dune system.

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NOTE: The construction of a transportation facility other than roads and associated facilities may be subject to the Storm Water Management Law, 38 M.R.S.A. Section 420-D.

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**B. Standards**

- (1) Photographs of the area to be altered by the activity must be taken before work on the site begins. The photographs must be kept on file and be made available at the request of the DEP.
- (2) The activity must be reviewed by the Department of Inland Fisheries and Wildlife, the Department of Marine Resources, the Atlantic Salmon Authority, and the DEP's Division of Environmental Assessment prior to the notification being filed with the DEP. The activity must be performed according to any recommendations from these authorities.
- (3) The activity must be performed in accordance with erosion control measures conforming with the State of Maine Department of Transportation Standard Specifications for Highways and Bridges Revision of April 1995 and with the Department of Transportation's Best Management Practices for Erosion and Sediment Control, September 1997.

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NOTE: Guidance on the use of erosion control best management practices can be obtained from the on site Construction Manager.

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- (4) Alignment changes may not exceed a distance of 200 feet between the old and new center lines in any natural resource.
- (5) The activity may not alter more than 300 feet of shoreline (both shores added together) within a mile stretch of any river, stream or brook, including any bridge width or length of culvert.
- (6) The activity may not alter more than 150 feet of shoreline (both shores added together) within a mile stretch of any outstanding river segment identified in 38 M.R.S.A. 480-P, including any bridge width or length of culvert.
- (7) The activity must minimize wetland intrusion. The activity is exempt from the provisions of Chapter 310, the Wetland Protection Rules, if the activity alters less than 15,000 square feet

of natural resources per mile of roadway (centerline measurement) provided that the following impacts are not exceeded within the 15,000 square foot area:

- (a) 1,000 square feet of coastal wetland consisting of salt tolerant vegetation or shellfish habitat; or
- (b) 5,000 square feet of coastal wetland not containing salt tolerant vegetation or shellfish habitat; or
- (c) 1,000 square feet of a great pond.

All other activities must be performed in compliance with all sections of Chapter 310, the Wetland Protection Rules, except 310.2(C), 5(A), 9(1), 9(B) and 9(C).

- (8) The activity may not permanently block any fish passage in any watercourse containing fish. The applicant must improve passage beyond what restriction may already exist unless the Department of Inland Fisheries and Wildlife, the Department of Marine Resources, the Atlantic Salmon Authority and the DEP's Division of Environmental Assessment concur that the improvement is not necessary.
- (9) Rocks may not be removed from below the normal high water line of any coastal wetland, freshwater wetland, great pond, river, stream or brook except to the minimum extent necessary for completion of work within the limits of construction.
- (10) If work is performed in a river, stream or brook that is less than three feet deep at the time and location of the activity, with the exception of culvert installation, the applicant must divert flow away from the activity while work is in progress.
  - (a) Diversion may be accomplished by the use of stable, inert material. No more than two thirds (2/3) of stream width may be diverted at one time.
  - (b) Any material used to divert water flow must be completely removed upon completion of the activity, and the stream bottom must be restored to its original condition.
  - (c) A pump may be operated, where necessary, for a temporary diversion. The pump outlet must be located and operated such that erosion or the discharge of sediment to the water is prevented.

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NOTE: Guidance on the appropriate location of a diversion and materials which should be used for a stream diversion can be obtained from the on site Construction Manager.

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- (11) Wheeled or tracked equipment may not operate in the water. Equipment operating on the shore may reach into the water with a bucket or similar extension. Equipment may cross streams on rock, gravel or ledge bottom.
- (12) All wheeled or tracked equipment that must travel or work in a vegetated wetland area must travel and work on mats or platforms.

- (13) Any debris or excavated material must be stockpiled either outside the wetland or on mats or platforms. Hay bales or silt fence must be used, where necessary, to prevent sedimentation. Any debris generated during the activity must be prevented from washing downstream and must be removed from the wetland or water body. Disposal of debris must be in conformance with the Maine Hazardous Waste, Septage and Solid Waste Management Act, 38 M.R.S.A. Section 1301 et seq.
- (14) Work below the normal high water line of a great pond, river, stream or brook must be done at low water except for emergency work or work agreed to by the resource agencies listed in paragraph 2 above. Measures, such as a silt boom or staked fencing, must be employed to reduce and isolate turbidity.
- (15) Perimeter controls must be installed before the work starts. Disturbance of natural resources beyond the construction limits shown on the plans is not allowed under this rule.

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NOTE: Guidance on the location of construction limits can be obtained from the on site Construction Manager.

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- (16) The use of untreated lumber is preferred. Lumber pressure treated with chromated copper arsenate (CCA) may be used, provided it is cured on dry land in a manner that exposes all surfaces to the air for a period of at least 21 days prior to construction. Wood treated with creosote or pentachlorophenol may not be used where it will contact water.
- (17) A temporary road for equipment access must be constructed of crushed stone, blasted ledge, or similar materials that will not cause sedimentation or restrict fish passage. Such roads must be completely removed at the completion of the activity. In addition, any such temporary roads which are in rivers, streams or brooks, must allow for a passage of stormwater flows associated with a 10-year storm.
- (18) Soil may not be disturbed during any period when soils are saturated due to rain or snow melt, except as necessary to protect work in progress or as required for bridge maintenance activities. Areas where soils are saturated (i.e. water drips from the soil when squeezed by hand, or the soil is capable of being rolled into a rod 1/8th inch in diameter that does not crumble) must be immediately mulched if they are disturbed.
- (19) Disturbed soil must be protected within one week from the time it was last actively worked, and prior to any storm event, using temporary or permanent measures such as the placement of riprap, sod, mulch, erosion control blankets, or other comparable measures.
- (20) Hay bale or straw mulch, where used, must be applied at a rate of at least one bale per 500 square feet (1 to 2 tons per acre).
- (21) If mulch is likely to be moved because of steep slopes or wind exposure, it must be anchored with netting, peg and twine, binder or other suitable method and must be maintained until a catch of vegetation is established over the entire disturbed area.
- (22) In addition to the placement of riprap, sod, erosion control blankets or mulch, additional steps must be taken where necessary to prevent sedimentation of the water. Evidence of sedimentation includes visible sheet, rill or gully erosion, discoloration of water by

suspended particles and/or slumping of banks. Silt fences, staked hay bales and other sedimentation control measures, where planned for, must be in place prior to the commencement of an activity, but must also be installed whenever necessary to prevent erosion and sedimentation.

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NOTE: Guidance on the location and proper installation of erosion control measures can be obtained from the on site Construction Manager.

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- (23) Temporary erosion control measures must be maintained and inspected weekly until the site is permanently stabilized with vegetation or other permanent control measures. Erosion control measures must also be inspected immediately prior to and following storms.
- (24) Permanent erosion control measures protecting all disturbed areas must be implemented within 30 days from the time the areas were last actively worked, or for fall and winter activities by the following June 15, except where precluded by the type of activity (e.g. riprap, road surfaces, etc.). The permanent erosion control measures must be maintained.
- (25) The applicant shall immediately take appropriate measures to prevent erosion or sedimentation from occurring or to correct any existing problems, regardless of the time of year.
- (26) Non-native species may not be planted in restored areas.
- (27) Disposal of debris must be in conformance with Maine Hazardous Waste, Septage and Solid Waste Management Act, 38 M.R.S.A. Sections 1301 et seq.
- (28) Disturbance of vegetation must be avoided, if possible. Where vegetation is disturbed outside of the area covered by any road or structure construction, it must be reestablished immediately upon completion of the activity and must be maintained.
- (29) A vegetated area at least 25 feet wide must be established and maintained between any new stormwater outfall structure and the high water line of any open water body. A velocity reducing structure must be constructed at the outlet of the stormwater outfall that will create sheet flow of stormwater, and prevent erosion of soil within the vegetated buffer. If the 25 foot vegetated buffer is not practicable, the applicant must explain the reason for a lesser setback in writing. Approval from the DEP must be in writing and any recommendations must be incorporated into the activity.

**C. Definitions.** The following terms, as used in this chapter, have the following meanings, unless the context indicates otherwise:

- (1) Diversion. A rerouting of a river, stream or brook to a location outside of its established channel.
- (2) Fill. a. (verb) To put into or upon, supply to, or allow to enter a water body or wetland any earth, rock, gravel, sand, silt, clay, peat, or debris; b. (noun) Material, other than structures, placed in or immediately adjacent to a wetland or water body.

- (3) Floodplain wetlands. Freshwater wetlands that are inundated with flood water during a 100-year flood event based on flood insurance maps produced by the Federal Emergency Agency or other site specific information.
- (4) Riprap. Rocks that are fit into place, usually without mortar, on a slope as defined in the State of Maine, Department of Transportation, Standard Specifications for Highway and Bridges, revision of April 1995.

Permit No: GP-39

Effective Date: Sept. 29, 2000

Expiration Date: Sept. 29, 2005

Applicant: General Public, State of Maine

**DEPARTMENT OF THE ARMY  
PROGRAMMATIC GENERAL PERMIT  
STATE OF MAINE**

The New England District of the U.S. Army Corps of Engineers hereby issues a programmatic general permit (PGP) that expedites review of minimal impact work in coastal and inland waters and wetlands within the State of Maine. Activities with minimal impacts, as specified by the terms and conditions of this general permit and on the attached DEFINITION OF CATEGORIES sheets, are either non-reporting (provided required local and state permits are received), or are reporting, to be screened by the Corps and Federal Resource Agencies for applicability under the general permit. This general permit does not affect the Corps individual permit review process or activities exempt from Corps jurisdiction.

**Activities Covered:** work and structures that are located in, or that affect, navigable waters of the United States (regulated by the Corps under Section 10 of the Rivers and Harbors Act of 1899) and the discharge of dredged or fill material into waters of the United States (regulated by the Corps under Section 404 of the Clean Water Act), and the transportation of dredged material for the purpose of disposal in the ocean (regulated by the Corps under Section 103 of the Marine Protection, Research and Sanctuaries Act).

**PROCEDURES:**

**A. State Approvals**

For projects authorized pursuant to this general permit that are also regulated by the State of Maine, the following state approvals are also required and must be obtained in order for this general permit authorization to be valid (applicants are responsible for ensuring that all required state permits and approval have been obtained):

- (a) Maine Department of Environmental Protection (DEP): Natural Resources Protection Act permit, including permit-by-rule and general permit authorizations; Site Location and Development Act permit; and Maine Waterway Development and Conservation Act.
- (b) Maine Department of Conservation: Land Use Regulation Commission (LURC) permit.
- (c) Maine Department of Marine Resources: Lease.
- (d) Bureau of Public Lands, Submerged Lands: Lease.

Note that projects not regulated by the State of Maine (e.g., seasonal floats or moorings) may still be authorized by this general permit.



## **B. Corps Authorizations : Category I (Non-Reporting)**

Work in Maine subject to Corps jurisdiction that meets the definition of Category I on the attached DEFINITION OF CATEGORIES sheets and that meets all of this permit's other conditions, does not require separate application to the Corps of Engineers. If the State or the Corps does not contact the applicant for PBRs and Tier One permits during the State's Tier One 30-day review period, Corps approval may be assumed and the project may proceed. Refer to the Procedures Section at Paragraph E below for additional information regarding screening.

**Note that the review thresholds under Category I apply to single and complete projects only (see special condition 5). Also note that Category I does not apply to projects occurring in a component of, or within 0.25 miles up and downstream of the main stem or tributaries of a river segment of the National Wild and Scenic River System (see condition 11, and page 9 for the listed rivers in Maine).**

There are also restrictions on other national lands or concerns which must be met in order for projects to be eligible for authorization under this PGP. Refer to special conditions 6-13 under Paragraph F below.

Work that is not regulated by the State of Maine, but that is subject to Corps jurisdiction, is eligible for Corps authorization under this PGP in accordance with the review thresholds and conditions contained herein.

Although Category I projects are non-reporting, the Corps reserves the right to require screening or an individual permit review if there are concerns for the aquatic environment or any other factor of the public interest (see special condition 4 on Discretionary Authority). The Corps review or State/Federal screening process may also result in project modification, mitigation or other special conditions necessary to minimize impacts and protect the aquatic environment as a requirement for PGP approval.

## **C. Corps Authorization: Category II (Reporting – requiring screening)**

### **APPLICATION PROCEDURES**

For projects that do not meet the terms of Category I (see DEFINITION OF CATEGORIES sheets), the Corps, State, and Federal Resource Agencies will conduct joint screening meetings to review applications. If projects are concurrently regulated by the DEP or LURC, applicants do not need to submit separate applications to the Corps. For projects not regulated by DEP or LURC, applicants must submit an application to the Corps Maine Project Office for a case-by-case determination of eligibility under this general permit (Category II). **Category II projects may not proceed until written notification is received from the Corps.**

Category II projects which occur in a component of, or within 0.25 mile up or downstream of the main stem or tributaries of a river segment of the National Wild and Scenic River System, will be coordinated with the National Park Service (see special condition 11, and page 9 for listed rivers in Maine).

There are also restrictions on other national lands or concerns which must be met in order for projects to be eligible for authorization under this PGP. Refer to special conditions 6-14 under Paragraph E below.

Category II applicants shall submit a copy of their application materials to the Maine Historic Preservation Commission and/or applicable Indian tribe(s) at the same time, or before, they apply to the DEP, LURC, or the Corps so that the project can be reviewed for the presence of historic/archaeological resources in the project area that may be affected by the proposed work. **Applications to the DEP or the Corps should include information to indicate that this has been done (applicant's statement or copy of cover letter to Maine Historic Preservation Commission and/or Indian tribe(s)).**

**The Corps may require additional information on a case-by-case basis as follows:**

- (a) purpose of project;
- (b) 8 1/2" by 11" plan views of the entire property including property lines and project limits with existing and proposed conditions (**legible, reproducible plans required**);
- (c) wetland delineation for the site, information on the basis of the delineation, and calculations of waterway and wetland impact areas (see special condition 2);
- (d) typical cross-section views of all wetland and waterway fill areas and wetland replication areas;
- (e) delineation of submerged aquatic vegetation, e.g., eel grass beds, in tidal waters;
- (f) area, type and source of fill material to be discharged into waters and wetlands, including the volume of fill below ordinary high water in inland waters and below the high tide line in coastal waters;
- (g) mean low, mean high water and high tide elevations in navigable waters;
- (h) limits of any Federal navigation project in the vicinity and State Plane coordinates for the limits of the proposed work closest to the Federal project;
- (i) on-site alternatives analysis (contact Corps for guidance);
- (j) identify and describe potential impacts to Essential Fish Habitat (contact Corps for guidance);
- (k) for dredging projects, include:
  - 1) the volume of material and area in square feet to be dredged below mean high water,
  - 2) existing and proposed water depths,
  - 3) type of dredging equipment to be used,
  - 4) nature of material (e.g., silty sand),

- 5) any existing sediment grain size and bulk sediment chemistry data for the proposed or any nearby projects,
- 6) information on the location and nature of municipal or industrial discharges and occurrences of any contaminant spills in or near the project area,
- 7) location of the disposal site (include locus sheet),
- 8) shellfish survey, and
- 9) sediment testing, including physical, chemical and biological testing. For projects proposing open water disposal, applicants are encouraged to contact the Corps as early as possible regarding sampling and testing protocols.

The Corps may request additional information. Dredging applicants may be required to conduct a shellfish and/or eel grass survey and sediment testing, including physical, chemical and biological testing. Sediment sampling and testing plans should be prepared or approved by the Corps before the samples are collected.

#### **STATE-FEDERAL SCREENING PROCEDURES:**

The Corps intends to utilize the application information required by the State for its regulatory program to the maximum extent practicable and the Corps normally will not be interacting with an applicant who is concurrently making application to the DEP or LURC. Projects not regulated by the State, but needing Corps of Engineers approval, **must apply directly to the Corps**. The joint screening meeting for Category II projects will occur regularly at the Corps or State offices and will involve representatives from the DEP, the Corps, the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, and the National Marine Fisheries Service.

The Corps and Federal Resource Agencies will classify the project within the State's review period, not to exceed 60 days, as: 1) approvable under the PGP as proposed; 2) needs additional information, including possible project modification, mitigation or other special conditions to minimize impacts; or 3) exceeds the terms or conditions of the PGP, including the minimal effects requirement, and an individual permit review will be required. In addition, the Corps retains the ability to exercise its discretionary authority and require an individual permit, irrespective of whether the terms and conditions of this general permit are met, based on concerns for the aquatic environment or any factor of the public interest (see special condition 4 on Discretionary Authority). All Category II projects must receive written approval from the Corps before work can proceed. If the project is not approvable as proposed, the DEP, LURC, or the Corps will contact the applicant to discuss the concerns raised. If the applicant is unable to resolve the concerns, the Corps, independently or at the request of the Federal Resource Agencies, will require an individual permit for the project. The applicant will be notified of this in writing, along with information about submitting the necessary application materials. The comments from the Federal Resource Agencies to the Corps may be verbal initially, and must be made within 10 working days of the screening meeting. These comments must be confirmed in writing within 10 calendar days of the verbal response if the Resource Agency(ies) will request an individual permit. The Federal Resource Agency's comments must reflect a concern within their area of expertise, state the species or resources that could be impacted by the project, and describe the impacts that either individually or cumulatively will be more than minimal.

## MINERALS MANAGEMENT SERVICE (MMS) REVIEW

For Category II projects which involve construction of solid fill structures or discharge of fills along the coast which may extend the coastline or baseline from which the territorial sea is measured, coordination between the Corps and Minerals Management Service (MMS), Continental Shelf (OCS) Survey Group, will be needed (pursuant to the Submerged Lands Act, 43 U.S.C., Section 1301-1315, 33 CFR 320.4(f)). During the screening period, the Corps will forward project information to MMS for their review. MMS will coordinate their determination with the Department of the Interior (DOI) Solicitor's Office. The DOI will have 15 calendar days from the date MMS is in receipt of project information to determine if the baseline will be affected. No notification to the Corps within 15 day review period will constitute a "no affect" determination. Otherwise, the solicitor's notification to the Corps may be verbal but must be followed with a written confirmation within 10 business days from the date of the verbal notification. This procedure will be eliminated if the State of Maine provides a written waiver of interest in any increase in submerged lands caused by a change in the baseline resulting from solid fill structure or fills authorized under this general permit.

### **D. Corps Authorization: Category III (Individual Permit)**

Work that is in the INDIVIDUAL PERMIT category on the attached DEFINITION OF CATEGORIES sheets, or that does not meet the terms and conditions of this general permit, will require an application for an individual permit from the Corps of Engineers (see 33 CFR Part 325.1). The screening procedures outlined above will only serve to delay project review in such cases. The applicant should submit the appropriate application materials (including the Corps application form) at the earliest possible date. General information and application forms can be obtained at (207) 623-8367 (Maine Field Office), (800) 343-4789, or (800) 362-4367 in Massachusetts. Individual water quality certification and coastal zone management consistency concurrence will be required from the State of Maine before Corps permit issuance.

### **E. Programmatic General Permit Conditions:**

The following conditions apply to activities authorized under the PGP, including all Category I (non-reporting) and Category II (reporting – requiring screening) activities:

#### GENERAL REQUIREMENTS:

1. **Other Permits.** Authorization under this general permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.
2. **Applicability of this general permit shall be evaluated with reference to Federal jurisdictional boundaries.** Applicants are responsible for ensuring that the boundaries used satisfy the federal criteria defined at 33 CFR 328-329.
3. **Minimal Effects.** Projects authorized by this general permit shall have minimal individual and cumulative adverse environmental impacts as determined by the Corps.

4. **Discretionary Authority.** Notwithstanding compliance with the terms and conditions of this permit, the Corps of Engineers retains discretionary authority to require review for an individual permit based on concerns for the aquatic environment or for any other factor of the public interest. This authority is invoked on a case-by-case basis whenever the Corps determines that the potential consequences of the proposal warrant individual review based on the concerns stated above. This authority may be invoked for projects with cumulative environmental impacts that are more than minimal or if there is a special resource or concern associated with a particular project that is not already covered by the remaining conditions of the PGP and that warrants greater review.

Whenever the Corps notifies an applicant that an individual permit may be required, authorization under this general permit is void and no work may be conducted until the individual Corps permit is obtained or until the Corps notifies the applicant that further review has demonstrated that the work may proceed under this general permit.

5. **Single and Complete Projects.** This general permit shall not be used for piecemeal work and shall be applied to single and complete projects. All components of a single project and/or all planned phases of multi-phased projects shall be treated together as constituting one single and complete project (e.g., subdivisions should include all work such as roads, utilities, and lot development). This general permit shall not be used for any activity that is part of an overall project for which an individual permit is required.

#### NATIONAL CONCERNS:

6. **St. John/St. Croix Rivers.** This covers work within the Saint John and Saint Croix River basins that requires approval of the International Joint Commission. This includes any temporary or permanent use, obstruction or diversion of international boundary waters which could affect the natural flow or levels of waters on the Canadian side of the line, as well as any construction or maintenance of remedial works, protective works, dams, or other obstructions in waters downstream from boundary waters when the activity could raise the natural level of water on the Canadian side of the boundary.
7. **Historic Properties.** Any activity authorized by this general permit shall comply with Section 106 of the National Historic Preservation Act. Information on the location and existence of historic resources can be obtained from the Maine Historic Preservation Commission and the National Register of Historic Places. Federally recognized tribes (Penobscots, Passamaquoddys, Micmacs, and Maliseets) may know of the existence of other sites that may be of significance to their tribes. See page 14 for historic properties contacts.

Applicants with projects which will undergo the screening process (Category II) shall submit a copy of their application materials, with the name and address of the applicant clearly indicated, to the Maine Historic Preservation Commission, 55 Capitol Street, State House Station 65, Augusta, Maine 04333, and to the applicable tribe(s) to be reviewed for the presence of historic and/or archaeological resources in the permit area that may be affected by the proposed work. The Corps will then be notified by the Commission and/or

Tribe within 10 days if there are State and/or tribal concerns that the proposed work will have an effect on historic resources. The applicant should include with their application to the State or the Corps either a copy of their cover letter or a statement of having sent their application material to the Commission and Tribe(s).

If the permittee, either prior to construction or during construction of the work authorized herein, encounters a previously unidentified archaeological or other cultural resource, within the area subject to Department of the Army jurisdiction, that might be eligible for listing in the National Register of Historic Places, he/she shall stop work and immediately notify the District Engineer and the Maine Historic Preservation Commission and/or applicable Tribe(s).

8. **National Lands.** Activities authorized by this general permit shall not impinge upon the value of any National Wildlife Refuge, National Forest, or any area administered by the National Park Service.
9. **Endangered Species.** No activity is authorized under this general permit which
  - may affect a threatened or endangered species or a species proposed for such designation as identified under the Federal Endangered Species Act (ESA),
  - is likely to destroy or adversely modify the critical habitat or proposed critical habitat of such species,
  - would result in a 'take' of any threatened or endangered species of fish or wildlife, or
  - would result in any other violation of Section 9 of the ESA protecting threatened or endangered species of plants.

Applicants shall notify the Corps if any listed species or critical habitat, or proposed species or critical habitat, is in the vicinity of the project and shall not begin work until notified by the District Engineer that the requirements of the Endangered Species Act have been satisfied and that the activity is authorized. Information on the location of threatened and endangered species and their critical habitat can be obtained from the U.S. Fish and Wildlife Service and National Marine Fisheries Service (addresses attached, page 14).

10. **Essential Fish Habitat.** As part of the PGP screening process, the Corps will coordinate with the National Marine Fisheries Service (NMFS) in accordance with the 1996 amendments to the Magnuson-Stevens Fishery and Conservation Management Act to protect and conserve the habitat of marine, estuarine and anadromous finfish, mollusks, and crustaceans. This habitat is termed "essential fish habitat (EFH)", and is broadly defined to include "those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity." Applicants may be required to describe and identify potential impacts to EFH based upon the location of the project, the activity proposed, and the species present. Conservation recommendations made by NMFS will normally be included as a permit requirement by the Corps. Information on the location of EFH can be obtained from the NMFS regulations (50 CFR Part 600) (address listed on page 14) and on their web site (<http://www.nero.nmfs.gov/ro/doc/webintro.html>).

The EFH designation for Atlantic salmon includes all aquatic habitats in the watershed of the following rivers and streams, including all tributaries to the extent that they are currently or were historically accessible for salmon migration:

St. Croix River	Pleasant River	Union River
Boyden River	Narraguagus River	Ducktrap River
Dennys River	Tunk Stream	Sheepscot River
Hobart Stream	Patten Stream	Kennebec River
Aroostook River	Orland River	Androscoggin River
East Machias River	Penobscot River	Presumpscot River
Machias River	Passagassawaukeag River	Saco River

11. **Wild and Scenic Rivers.** Any activity that occurs in a component of, or within 0.25 mile up or downstream of the main stem or tributaries of a river segment of the National Wild and Scenic River System, **must be reviewed by the Corps under the procedures of Category II of this general permit regardless of size of impact.** This condition applies to both designated wild and scenic rivers and rivers designated by Congress as study rivers for possible inclusion while such rivers are in an official study status. The Corps will consult with the National Park Service (NPS) with regard to potential impacts of the proposed work on the resource values of the Wild and Scenic River. The culmination of this coordination will be a determination by the NPS and the Corps that the work: (1) may proceed as proposed; (2) may proceed with recommended conditions; or (3) could pose a direct and adverse effect on the resource values of the river and an individual permit is required. If preapplication consultation between the applicant and the NPS has occurred whereby the NPS has made a determination that the proposed project is appropriate for authorization under this PGP (with respect to wild and scenic river issues), this determination should be furnished to the Corps with submission of the application. The address of the NPS can be found on Page 14 of this permit. *National Wild/Scenic Rivers System (Designated River in Maine) as of 5/2/00: Allagash River beginning at Telos Dam continuing to Allagash checkpoint at Eliza Hole Rapids, approximately 3 miles upstream of the confluence with the St. John River. Length = 92 miles*
12. **Federal Navigation Project.** Any structure or work that extends closer to the horizontal limits of any Corps navigation project than a distance of three times the project's authorized depth (see attached map following page 16 for locations of these projects) shall be subject to removal at the owner's expense prior to any future Corps dredging or the performance of periodic hydrographic surveys.
13. **Navigation.** There shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein and no attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized herein.

The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure

or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

14. **Federal Liability.** In issuing this permit, the Federal Government does not assume any liability for the following: (a) damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes; (b) damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest; (c) damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit; (d) design or construction deficiencies associated with the permitted work; (e) damage claims associated with any future modification, suspension, or revocation of this permit.

#### MINIMIZATION OF ENVIRONMENTAL IMPACTS:

15. **Minimization.** Discharges of dredged or fill material into waters of the United States shall be avoided and minimized to the maximum extent practicable, regardless of review category.
16. **Work in Wetlands.** Heavy equipment working in wetlands shall be avoided if possible, and **if required, shall be placed on mats or other measures taken** to minimize soil and vegetation disturbance. Disturbed areas in wetlands shall be restored to preconstruction contours and conditions upon completion of the work.
17. **Temporary Fill.** Temporary fill in waters and wetlands authorized by this general permit (e.g., access roads, cofferdams) shall be properly stabilized during use to prevent erosion. Temporary fill in wetlands shall be placed on geotextile fabric laid on existing wetland grade. Temporary fills shall be disposed of at an upland site, suitably contained to prevent erosion and transport to a waterway or wetland. Temporary fill areas shall be restored to their approximate original contours but not higher. No temporary fill shall be placed in waters or wetlands unless specifically authorized by the Corps.
18. **Sedimentation and Erosion Control.** Adequate sedimentation and erosion control management measures, practices and devices, such as phased construction, vegetated filter strips, geotextile silt fences or other devices, shall be installed and properly maintained to reduce erosion and retain sediment on-site during and after construction. They shall be capable of preventing erosion, of collecting sediment, suspended and floating materials, and of filtering fine sediment. These devices shall be removed upon completion of work and the disturbed areas shall be stabilized. The sediment collected by these devices shall be removed and placed at an upland location in a manner that will prevent its later erosion into a waterway or wetland. All exposed soil and other fills shall be permanently stabilized at the earliest practicable date.



19. **Waterway Crossings.**

- (a) All temporary and permanent crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed to withstand and to prevent the restriction of high flows, to maintain existing low flows, and to not obstruct the movement of aquatic life indigenous to the waterbody beyond the actual duration of construction.
- (b) Temporary bridges, culverts, or cofferdams shall be used for equipment access across streams (NOTE: areas of fill and/or cofferdams must be included in total waterway/wetlands impacts to determine applicability of this general permit).
- (c) For projects that otherwise meet the terms of Category I, instream construction work shall be conducted during the low flow period July 15 - October 1 in any year. Projects that are not to be conducted during that time period are ineligible for Category I and shall be screened pursuant to Category II, regardless of the waterway and wetland fill and/or impact area.

20. **Discharge of Pollutants.** All activities involving any discharge of pollutants into waters of the United States authorized under this general permit shall be consistent with applicable water quality standards, effluent limitations, standards of performance, prohibitions, and pretreatment standards and management practices established pursuant to the Clean Water Act (33 U.S.C. 1251) and applicable state and local laws. If applicable water quality standards, limitations, etc., are revised or modified during the term of this permit, the authorized work shall be modified to conform with these standards within six months of the effective date of such revision or modification, or within a longer period of time deemed reasonable by the District Engineer in consultation with the Regional Administrator of the Environmental Protection Agency. Applicants may presume that state water quality standards are met with issuance of the 401 Water Quality Certification.

21. **Spawning Areas.** Discharges into known 1) fish and shellfish spawning or nursery areas; and 2) amphibian and waterfowl breeding areas, during spawning or breeding seasons shall be avoided, and impacts to these areas shall be avoided or minimized to the maximum extent practicable during all times of year.

22. **Storage of Seasonal Structures.** Coastal structures such as pier sections and floats that are removed from the waterway for a portion of the year shall be stored in an upland location located above mean high water and not in tidal marsh.

23. **Environmental Values.** The permittee shall make every reasonable effort to carry out the construction or operation of the work authorized herein in a manner so as to maintain as much as is practicable, and to minimize any adverse impacts on, existing fish and wildlife and natural environmental values.

24. **Protection of Vernal Pools.** Impacts to uplands in proximity (within 500 feet) to the vernal pools referenced in DEFINITIONS OF CATEGORIES shall be minimized to the maximum extent possible.

PROCEDURAL CONDITIONS:

25. **Cranberry Development Projects.** For Cranberry development projects authorized under the PGP, the following conditions apply:
1. If a cranberry bog is abandoned for any reason, the area must be allowed to convert to natural wetlands unless an individual permit is obtained from the Corps of Engineers allowing the discharge of fill for an alternate use.
  2. No stream diversion shall be allowed under this permit.
  3. No impoundment of perennial streams shall be allowed under this permit.
  4. The project shall be designed and constructed to not cause flood damage on adjacent properties.
26. **Inspections.** The permittee shall permit the District Engineer or his authorized representative(s) to make periodic inspections at any time deemed necessary in order to ensure that the work is being performed in accordance with the terms and conditions of this permit. The District Engineer may also require post-construction engineering drawings for completed work, and post-dredging survey drawings for any dredging work. **To facilitate these inspections, the attached work notification form should be filled out and returned to the Corps for all Category II projects.**
27. **Maintenance.** The permittee shall maintain the work or structures authorized herein in good condition, including maintenance, to ensure public safety. Dredging projects: note that this does not include maintenance of dredging projects. Maintenance dredging is subject to the review thresholds described on the attached DEFINITION OF CATEGORIES sheets and/or any conditions included in a written Corps authorization.
28. **Property Rights.** This permit does not convey any property rights, either in real estate or material, or any exclusive privileges, nor does it authorize any injury to property or invasion of rights or any infringement of federal, state, or local laws or regulations. **If property associated with work authorized by the PGP is sold, the PGP authorization is automatically transferred to the new property owner. The new property owner should provide this information to the Corps in writing. No acknowledgement from the Corps is necessary.**
29. **Modification, Suspension, and Revocation.** This permit may be either modified, suspended, or revoked, in whole or in part, pursuant to the policies and procedures of 33 CFR 325.7 and any such action shall not be the basis for any claim for damages against the United States.
30. **Restoration.** The permittee, upon receipt of a notice of revocation of authorization under this permit, shall restore the wetland or waterway to its former condition without expense to the United States and as directed by the Secretary of the Army or his authorized representative. If the permittee fails to comply with such a directive, the Secretary or his designee may restore the wetland or waterway to its former condition, by contract or otherwise, and recover the cost from the permittee.

31. **Special Conditions.** The Corps, independently or at the request of the Federal Resource Agencies, may impose other special conditions on a project authorized pursuant to this general permit that are determined necessary to minimize adverse environmental effects or based on any other factor of the public interest. Failure to comply with all conditions of the authorization, including special conditions, will constitute a permit violation and may subject the permittee to criminal, civil, or administrative penalties or restoration.
32. **False or Incomplete Information.** If the Corps makes a determination regarding the eligibility of a project under this permit and subsequently discovers that it has relied on false, incomplete, or inaccurate information provided by the permittee, the permit shall not be valid and the government may institute appropriate legal proceedings.
33. **Abandonment.** If the permittee decides to abandon the activity authorized under this general permit, unless such abandonment is merely the transfer of property to a third party, he/she must restore the area to the satisfaction of the District Engineer.
34. **Enforcement cases.** This general permit does not apply to any existing or proposed activity in Corps jurisdiction associated with an on-going Corps of Engineers or Environmental Protection Agency enforcement action until such time as the enforcement action is resolved or the Corps determines that the activity may proceed independently without compromising the enforcement action. The Corps may choose not to accept applications or issue permits to any applicant with outstanding violations.
35. **Emergency situations.** This PGP can be used to authorize the repair, rehabilitation, or replacement of those structures destroyed by storms, floods, fire or other discrete unexpected and catastrophic event. In such situations and if the work exceeds Category I limitations, if applicant applies to the Corps within 30 days of the event, the Corps will attempt to contact the resource agencies for their approvals but, if unable to contact them, will issue an emergency permit and review them after-the-fact with the agencies at the next joint processing meeting. Proposed work submitted more than 30 days after the emergency will go through the standard PGP procedures.

#### DURATION OF AUTHORIZATION/GRANDFATHERING:

36. **Duration of Authorization.** Activities authorized under this general permit that have commenced (i.e., are under construction) or are under contract to commence in reliance upon this authorization will remain authorized provided the activity is completed within twelve months of the date of the general permit's expiration, modification, or revocation, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 325.2 (e)(2). Activities completed under the authorization of the general permit that was in effect at the time the activity was completed will continue to be authorized by the general permit.

**37. Previously Authorized Activities.**

- (a) Activities which have commenced (i.e., are under construction or are under contract to commence) prior to the issuance date of this general permit, in reliance upon the terms and conditions of the non-reporting category of the previous Maine PGP shall remain authorized provided the activity is completed within twelve months of the date of issuance of this general permit, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with special condition 4. The applicant must be able to document to the Corps satisfaction that the project was under construction or contract by the appropriate date.
- (b) Projects that have received written verification or approval from the Corps, based on applications made to the Corps prior to issuance of this general permit, for the previous Maine SPGP and PGP, Nationwide permits, regional general permits, or letters of permission shall remain authorized as specified in each authorization.
- (c) This general permit does not affect activities authorized pursuant to 33 CFR Part 330.3 (activities occurring before certain dates).

{PRIVATE}DISTRICT  
ENGINEER\_\_\_\_\_

DATE\_\_\_\_\_

## CONTACTS FOR MAINE PROGRAMMATIC GENERAL PERMIT:

*U.S. Army Corps of Engineers*  
Maine Project Office  
675 Western Avenue #3  
Manchester, Maine 04351  
207-623-8367  
Fax # 207-623-8206

*Federal Endangered Species*  
U.S. Fish and Wildlife Service  
Maine Field Office  
1033 South Main Street  
Old Town, Maine 04468  
207-827-5938  
Fax # 207-827-6099

*Wild and Scenic Rivers*  
National Park Service  
North Atlantic Region  
15 State Street  
Boston, MA 02109  
617-223-5203

*Maine Historic Preservation Commission*  
55 Capitol Street  
State House Station 65  
Augusta, Maine 04333  
207-287-2132  
Fax # 207-287-2335

*Aroostook Band of Micmacs*  
P.O. Box 772  
Presque Isle, Maine 04769  
207-764-1972  
Fax # 207-764-7667

*Passamaquoddy Tribe of Indians*  
Pleasant Point Reservation  
Attn: Tribal Council  
P.O. Box 343  
Perry, Maine 04667  
207-853-2600  
Fax # 207-853-6039

*Federal Endangered Species and Essential  
Fish Habitat*  
National Marine Fisheries Service  
One Blackburn Drive  
Gloucester, Massachusetts 01939  
978-281-9102  
Fax # 978-281-9301

*Houlton Band of Maliseet Indians*  
Attn: Brenda Commander, Tribal Chief  
Route 3 – Box 450  
Houlton, Maine 04730  
207-532-4273  
Fax # 207-532-2660

*Passamaquoddy Tribe of Indians*  
Indian Township Reservation  
Attn: Donald Soctomah  
P.O. Box 301  
Princeton, Maine 04668  
207-796-2301  
Fax # 207-796-5256

*Penobscot Indian Nation*  
Richard Hamilton, Chief  
6 River Road  
Indian Island Reservation  
Old Town, Maine 04468  
(207) 827-7776  
Fax # 207-827-1137

*Maine Department of Environmental Protection  
(For State Permits and Water Quality  
Certifications)*

Natural Resources Division  
Bureau of Land and Water Quality Control  
State House Station 17  
Augusta, Maine 04333  
207-287-2111

Southern Maine Regional Office  
312 Canco Road  
Portland, Maine 04103  
201-822-6300

Eastern Maine Regional Office  
106 Hogan Road  
Bangor, Maine 04401  
207-941-4570

Northern Maine Regional Office  
1235 Central Drive  
Skyway Park  
Presque Isle, Maine 04769  
207-764-0477

*Maine Land Use Regulation Commission (LURC)  
offices*

22 State House Station  
Augusta, ME 04333-0022  
207-287-2631  
800-452-8711 (call to obtain appropriate LURC  
office)  
Fax # 207-287-7439

45 Radar Road  
Ashland, ME 04732-3600  
207-435-7963  
Fax # 207-435-7184

Lakeview Drive  
P.O. Box 1107  
Greenville, ME 04441  
207-695-2466  
Fax # 207-695-2380

191 Main Street  
East Millinocket, ME 04430  
207-746-2244  
Fax # 207-746-2243

*(For CZM Determinations)*

State Planning Office  
Coastal Program  
184 State Street  
State House Station 38  
Augusta, Maine 04333  
207-287-1009

*Maine Department of Marine Resources  
(For Aquaculture Leases)*  
McKown Point  
Boothbay Harbor, Maine 04575  
207-633-9500

*(For Submerged Lands Leases)*

Maine Department of Conservation  
Bureau of Parks and Lands  
22 State House Station  
207-287-3061

<b>A. INLAND WETLANDS (WATERS OF THE U.S.)<sup>1</sup></b>	<b>CATEGORY I</b>	<b>CATEGORY II</b>	<b>INDIVIDUAL PERMIT</b>
(a) NEW FILL/ EXCAVATION DISCHARGES	<p>Less than 4,300 sf inland waterway and/or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared).</p> <p>-- Includes projects covered by a State Tier One permit with no cumulative impacts over 15,000 sf in inland wetlands from previous permits, unauthorized work, and/or other state permits.</p> <p>--Includes crossing of perennial waterways designated as Essential Fish Habitat (EFH) for Atlantic salmon<sup>2</sup> if the waterway is crossed with a span and footprints of the span abutments are outside ordinary high water with no more than 4,300 sf of associated wetland impact.</p> <p>--Includes in-stream work of up to 4,300 sf of fill below ordinary high water in waterways not designated as EFH for Atlantic salmon<sup>2</sup> and performed in accordance with Maine Permit By Rule standards or a LURC permit.</p>	<p>4,300 sf to 3 acres inland waterway and/or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared).</p> <p>--Impact area includes all temporary and permanent fill and excavation discharges except for incidental fallback.</p> <p>--Includes in-stream work, including crossings (other than spanned crossing as described in Category I) with any discharge of fill below ordinary high water in perennial waterways designated as EFH for Atlantic salmon<sup>2</sup>.</p> <p>--Time of year restrictions determined case-by-case.</p>	<p>Greater than 3 acres inland waterway and/or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared).</p> <p>--Impact area includes all temporary and permanent fill and excavation discharges except for incidental fallback<sup>3</sup>.</p> <p>In-stream work exceeding Category II limits.</p> <p>If EIS required by the Corps.</p>

<sup>1</sup> Waters of the U.S. in inland areas: inland rivers, streams, lakes, ponds and wetlands.

<sup>2</sup> Essential Fish Habitat for Atlantic salmon includes all aquatic habitats in the watersheds of the following rivers and streams, including all tributaries to the extent that they are currently or were historically accessible for salmon migration: St. Croix, Boyden, Dennys, Hobart Stream, Aroostook, East Machias, Machias, Pleasant, Narraguagus, Tunk Stream, Patten Stream, Orland, Penobscot, Passagassawaukeag, Union, Ducktrap, Sheepscot, Kennebec, Androscoggin, Presumpscot, and Saco River.

The larger the impacts, the more likely an individual permit will be required. Projects involving widening, expansion or impacts to degraded or low valued wetlands between 1-3 acres may be approved under Category II, subject to the Federal screening. The Corps recognizes and endorses the DEP Tier 2 upper thresholds of 1 acre. Compensatory mitigation is likely to be required at this level of impact.

	CATEGORY I	CATEGORY II	INDIVIDUAL PERMIT
(a) NEW FILL/ EXCAVATION DISCHARGES (continued)	<p>--Impact area includes all temporary and permanent fill and excavation discharges except for incidental fallback.</p> <p>--In-stream work limited to July 15-Oct. 1.</p> <p>--This category excludes situations when a vernal pool of any size may be impacted, in accordance with the ME DEP definition of vernal pool<sup>4</sup>.</p> <p>--This category excludes work within ¼ mile of a Wild and Scenic River<sup>5</sup>.</p> <p>--This category excludes dams, dikes, or activities involving water withdrawal or water diversion.</p> <p>--This category excludes work in National Wildlife Refuges.</p>	Proactive restoration projects with any amount of impact can be reviewed under Category II. The Corps, in consultation with State and Federal agencies, must determine that net adverse effects are not more than minimal.	
(b) BANK STABILIZATION PROJECTS	<p>Inland bank stabilization less than 500 ft. long and less than 1 cy fill per linear foot below ordinary high water in ponds, lakes, and waterways not designated as EFH for Atlantic Salmon<sup>2</sup>, provided there is no wetland fill.</p> <p>--In-stream work limited to July 15-October 1.</p>	<p>--Inland bank stabilization in ponds, lakes, and waterways not designated as EFH for Atlantic salmon<sup>2</sup> which exceeds Category I limits.</p> <p>--Inland bank stabilization of any size below ordinary high water in waterways designed as EFH for Atlantic salmon<sup>2</sup>.</p> <p>--Other stabilization exceeding Category I.</p>	
(c) REPAIR AND MAINTENANCE OF AUTHORIZED FILLS	Repair or maintenance of existing, currently serviceable, authorized fills with no substantial expansion or change in use.	Replacement of non-serviceable fills, or repair or maintenance of serviceable fills with expansion of any amount up to 1 acre, or with a change in use.	Replacement of non-serviceable fills, or repair or maintenance of serviceable fills with greater than 1 acre of expansion.

<sup>4</sup> Vernal Pool: Naturally-occurring, or intentionally created for the purposes of compensatory mitigation, temporary to permanent bodies of water occurring in shallow depressions that fill during the spring and fall and may dry during the summer. Vernal pools have no permanent or viable populations of predatory fish. Vernal pools provide the primary breeding habitat for wood frogs, spotted salamanders, blue-spotted salamanders, and fairy shrimp, and provide habitat for other wildlife including several endangered and threatened species.

<sup>5</sup> National Wild/Scenic Rivers System (Designated River in Maine): Allagash River beginning at Telos Dam continuing to Allagash checkpoint at Eliza Hole Rapids, approximately 3 miles upstream of the confluence with the St. John River. Length = 92 miles



<b>B. TIDAL WATERS AND NAVIGABLE WATERS<sup>6</sup></b>	<b>CATEGORY I</b>	<b>CATEGORY II</b>	<b>INDIVIDUAL PERMIT</b>
(a) FILL		<p>Up to 1 acre waterway or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared). Includes temporary and permanent waterway fill.</p> <p>--Temporary tidal marsh impacts up to 1 acre.</p> <p>--Permanent tidal marsh, mudflat, or vegetated shallows<sup>7</sup> fill up to 1,000 sf.</p> <p>-- Proactive restoration projects with any amount of impact can be reviewed under Cat. II. The Corps, in consultation with State and Federal agencies, must determine that net adverse effects are not more than minimal.</p>	<p>Greater than 1 acre waterway fill and secondary impacts (e.g., areas drained, flooded or cleared). Includes temporary and permanent waterway fill.</p> <p>--Temporary tidal marsh impacts over 1 acre.</p> <p>--Permanent tidal marsh, mudflat, or vegetated shallows<sup>6</sup> fill over 1,000 sf.</p>
(b) REPAIR AND MAINTENANCE WORK	<p>Repair or maintenance of existing, currently serviceable, authorized structure or fill with no substantial expansion or change in use.</p> <p>--Work must be in same footprint as original structure or fill.</p>	<p>Repair or replacement of any non-serviceable structure or fill, or repair or maintenance of serviceable fills, with expansion of any amount up to 1 acre, or with a change in use.</p>	<p>Replacement of non-serviceable structures or fill or repair or maintenance of serviceable structures or fill with expansion greater than 1 acre.</p>

<sup>6</sup> Navigable Waters: waters that are subject to the ebb and flow of the tide and Federally designated navigable waters (Penobscott River to Medway, Kennebec River to Moosehead Lake, and the portion of Umbagog Lake in Maine).

<sup>7</sup> Vegetated Shallows: subtidal areas that support rooted aquatic vegetation such as eelgrass.

	CATEGORY I	CATEGORY II	INDIVIDUAL PERMIT
(c) DREDGING	<p>Maintenance dredging of less than 1,000 cy with upland disposal.</p> <p>--Proper siltation controls used</p> <p>--Limited to work between November 1 and January 15</p> <p>--No impact to special aquatic sites<sup>8</sup>.</p>	<p>Maintenance dredging of greater than 1,000 cy, new dredging of up to 25,000 cy, or projects that do not meet Category I. Disposal includes upland, open water or beach nourishment (above mean high water), only if material is determined suitable.</p>	<p>Maintenance dredging (any amount) in or affecting special aquatic sites<sup>7</sup>.</p> <p>See B(a) above for dredge disposal in wetlands or waters.</p> <p>New dredging greater than 25,000 cy or any amount in or affecting special aquatic sites<sup>7</sup>.</p>
(d) MOORINGS	<p>--Private, non-commercial, non-rental single boat moorings not associated with any boating facility<sup>9</sup> provided not located in a Federal Navigation Project, there is no interference with navigation, it is not located in vegetated shallows<sup>6</sup>, and it is within ¼ mile of the owner's residence or a public access point<sup>10</sup>.</p> <p>--Minor relocation of previously authorized moorings and moored floats consistent with Harbormaster recommendations, provided it is also consistent with local regulations, is not located in vegetated shallows, and does not interfere with navigation.</p>	<p>Moorings that do not meet the terms of Category I (e.g., rental or service moorings) and moorings that meet the terms of Category I that are located in a Federal anchorage.</p>	<p>Moorings within the horizontal limits, or with moored vessels that extend, into the horizontal limits of a Federal Navigation Project, except those in Federal anchorages under Category II.</p>

<sup>8</sup> Special Aquatic Sites: include wetlands and salt marsh, mudflats, riffles and pools, and vegetated shallows.

<sup>9</sup> Boating Facilities: facilities that provide, rent, or sell mooring space, such as marinas, yacht, clubs, boat yards, town facilities, dockominiums, etc.

<sup>10</sup> Cannot be at a remote location to create a convenient transient anchorage.

	CATEGORY I	CATEGORY II	INDIVIDUAL PERMIT
(e) PILE-SUPPORTED STRUCTURES AND FLOATS	Reconfiguration of existing authorized docks, provided structures are not positioned over vegetated shallows <sup>6</sup> or salt marsh and provided floats are supported off substrate at low tide. No dredging, additional slips or expansion allowed.	Private piers and floats for navigational access to waterway (seasonal and permanent).	Structures, piers or floats that extend, or with docked/moored vessels that extend, into the horizontal limits of a Federal Navigation Project. Structures, including piers and floats, associated with a new or previously unauthorized boating facility <sup>8</sup> .
(f) MISCELLANEOUS	<p>--Temporary buoys, markers, floats, etc., for recreational use during specific events, provided they are removed within 30 days after use is discontinued.</p> <p>--Coast Guard approved aids to navigation.</p> <p>--Oil spill clean-up temporary structures or fill.</p> <p>--Fish/wildlife harvesting structures/fill (as defined by 33 CFR 330, App. A-4)</p> <p>--Scientific measurement devices and survey activities such as exploratory drilling, surveying or sampling.</p> <p>--Shellfish seeding (brushing the flats) projects<sup>11</sup></p> <p>--Does <u>not</u> include oil or gas exploration and fills for roads or construction pads.</p> <p>--This category excludes work in National Wildlife Refuges.</p>	<p>--Structures or work in or affecting tidal or navigable waters that are not defined under any of the previous headings. Includes, but is not limited to, utility lines, aerial transmission lines, pipelines, outfalls, boat ramps, bridge fills/abutments, etc.</p> <p>--Shellfish/finfish (other than Atlantic salmon), or other aquaculture facilities which are consistent with the Corps revised standard siting requirements and standard permit conditions dated 7/6/94, or as revised.</p>	If EIS required by Corps.

<sup>11</sup> Brushing the flats: the placement of tree boughs, wooden lath structures, or small-mesh fencing on mudflats for the purpose of enhancing recruitment of soft-shell clams (*Mya arenaria*).

**WORK START NOTIFICATION FORM**  
**(Minimum Notice: Two Weeks before Work Begins)**

**MAIL TO:** U.S. Army Corps of Engineers, New England District  
Regulatory Branch  
Policy Analysis/Technical Support Section  
696 Virginia Road  
Concord, Massachusetts 01742-2751

A Corps of Engineers Permit (No. \_\_\_\_\_) was issued to the permittee. The permit authorized the permittee to \_\_\_\_\_  
\_\_\_\_\_

The people (e.g., contractor) listed below will do the work, and they understand the permit's conditions and limitations.

*PLEASE PRINT OR TYPE*

**Name of Person/Firm:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Business Address:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Telephone Number:** (     ) \_\_\_\_\_ (     ) \_\_\_\_\_

**Proposed Work Dates:** Start: \_\_\_\_\_ Finish: \_\_\_\_\_

**PERMITTEE'S SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**PRINTED NAME:** \_\_\_\_\_ **TITLE:** \_\_\_\_\_

FOR USE BY THE CORPS OF ENGINEERS

PM: \_\_\_\_\_ Submittals Required: \_\_\_\_\_  
\_\_\_\_\_

Inspection Recommendation: \_\_\_\_\_  
\_\_\_\_\_

**MITIGATION WORK-START NOTIFICATION FORM**  
**(Minimum Notice: Two Weeks Before Mitigation Work Begins)**

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MAIL TO: U.S Army Corps of Engineers, New England District  
Regulatory Branch  
Policy Analysis/Technical Support Section  
696 Virginia Road  
Concord, Massachusetts 01742-2751

\*\*\*\*\*

Corps of Engineers Permit No. ( ) was issued to **[insert name of permittee]**. The permit authorized the permittee to **[insert brief description of the authorized work and location]**.

The permit required compensatory mitigation. **[Briefly describe the requirements, including, if applicable, submitting a final mitigation plan and monitoring reports.]**

Those listed below will do the mitigation, including monitoring and remediation if required. They understand the requirements of the permit and the mitigation and monitoring plan.

*PLEASE PRINT OR TYPE*

**Environmental**  
*Consultant/Scientist*

**Mitigation**  
*Contractor*

*Name of Person/Firm:* \_\_\_\_\_

**Business Address:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Telephone Number:** ( ) \_\_\_\_\_ ( ) \_\_\_\_\_

**Proposed Mitigation Work Dates:** Start \_\_\_\_\_ Finish \_\_\_\_\_

**PERMITTEE'S SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**PRINTED NAME:** \_\_\_\_\_ **TITLE:** \_\_\_\_\_

**Corps PMs:** \_\_\_\_\_